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## Search result

QUERY	
Search done on	22.1.2010 (14:56h)
Search ID	10576885
Database	Metallic compounds
Composition (Dimension: weight-%, Limit for optional components: 0)	C:0.001-0.015* SI:0.01-0.5* MN:0.1-1.8* P:0-0.03* S:0-0.005* CR:15-18* NI:0.5-5.5* MO:0.5-3.5* V:0.02-0.2* N:0.001-0.015* O:0-0.006* CU:0.5-1.14* FE: BALANCE
Sorted according to	Date of publication descending

## Compositions

Hits 132

1 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56h)		
Field	Content	
Publication	DE102007061062 A1	18.06.2009
Priority	DE102007061062	14.12.2007
Application	DE14122007102007061062	
Applicant	Peiner Träger GmbH; Salzgitter Flachstahl GmbH	
Inventor	Splitzer, Karl-Heinz; Redeker, Christian	
Title	Verfahren zum Erzeugen einer bis zu 30 % Mangan enthaltenden Stahlschmelze	
Info		
IPC	C22C033/04	
Composition nr.	1	Composite component -
Composition	[weight-%]: MN : (0)-30 * SI : 0-5 * C : 0-1,5 * AL : 0-22 * CR : 0-25 * NI : 0-30 * N : 0-1 * P : 0-1 * Ti : 0-5 * V : 0-5 * NB : 0-5 * CU : 0-5 * S : 0-0,333 * SN : 0-5 * ZR : 0-5 * MO : 0-5 * W : 0-5 * FE : REST	
Keywords	(english)	(german)
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG

2 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56h)		
Field	Content	
Publication	WO2009041430 A1	02.04.2009
Priority	JP2007251377	27.09.2007
Application	WO24092008JP200867183	
Applicant	Nippon Steel & Sumikin Stainless Steel Corp.	
Inventor	Matsuhashi, Tooru; Takahashi, Akihiko; Kajimura, Haruhiko und Miterf.	
Title	Ferritic stainless steel having excellent atmospheric corrosion resistance	
Info	Cr + 3,3Mo >= 19	

IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * N : 0-0,02 * Si : 0,01-1 * Mn : 0,01-0,5 * P : 0-0,04 * S : 0-0,01 * Cr : 16-23 * Mo : 0,3-3 * Ni : 0,3-3 + Ti : 0,05-0,25 + Nb : 0,05-0,4 * Cu : 0-3 * Al : 0-0,2 * V : 0-1 * B : 0-0,003 + Sn : 0,005-1 + Sb : 0,005-1 * Fe : REST	
Keywords (english)	CORROSION-RESISTING FERRITE HEAT-TREATMENT	(german) KORROSIONSBEST FERRIT WÄRMEBEHANDLUNG

3 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.7.2010 (14:58H)		
Field	Content	
Publication	EP2042615 A1	01.04.2009
Priority	JP2006320364	05.10.2006
Application	EP0510200606811661	
Applicant	JFE Steel Corp.	
Inventor	Hirasawa, Junichiro; Ujiro, Takumi; Furukimi Osamu	
Title	Brake discs excellent in Resistance to temper softening and toughness	
Info	Bemessungsregeln	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * Si : 0-1 * Mn : 0-2 * Cr : 10,5-15 * N : 0-0,1 + Cu : 0,01-3 + Nb : 0,02-0,6 + Mo : 0,01-2 + Ni : 0,1-2 + Co : 0,01-1 + Ti : 0,02-0,3 + V : 0,02-0,3 + Zr : 0,02-0,3 + Ta : 0,02-0,3 + B : 0,0005-0,005 + Ca : 0-0,005 * Fe : REST	
Keywords (english)	CORROSION-RESISTING FRICTION-MATERIAL HARD HEAT-TREATMENT HIGH-TEMPER-STRENGTH MARTENSITE TOUGH USE	(german) KORROSIONSBEST REIBW HART WÄRMEBEHANDLUNG WARMFEST MARTENSIT ZAH VERWENDUNG

4 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.7.2010 (14:58H)		
Field	Content	
Publication	EP2031079 A1	04.03.2009
Priority	WOJP2006312552	16.06.2006
Application	EP1606200606767202	
Applicant	Nippon Steel Corp.	
Inventor	Murakami, Hidekuni	
Title	High-strength electromagnetic steel sheet and process for producing the same	
Info		
IPC	C21D009/46	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,06 * Si : 0,2-6,5 * Mn : 0,05-3 * P : 0-0,3 * S & Se : 0-0,04 * Al : 0-2,5 * N : 0-0,04 * Fe : REST * Cu : 0-30 * Nb : 0-8 * Ti : 0-1 * V : 0-1 * Zr : 0-1 * B : 0-0,01 * Ni : 0-15 * Cr : 0-15 * Bi + Mo + W + Sn + Sb + Mg + Ca + Ge + La + Co : 0-0,5	
Keywords (english)	COARSE-GRAINED ELECTRIC FERRITE	(german) GROBKÖRNIG ELEKTRISCH FERRIT

HEAT-TREATMENT	WÄRMEBEHANDLUNG
MAGNETIZABLE	MAGNETISIERBAR
PRODUCTION	HERSTELLUNG
TENSILE-STRENGTH	ZUGFEST
USE	VERWENDUNG
WEAR/ TEAR	VERSCHLEISS

## 5 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:55H)

Field	Content
Publication	US20080310990 A1
Priority	JP2005131477
Application	US2402200691915806
Applicant	Kimura, Mitsuo; Yamazaki, Yoshio; Tanaka, Masahito
Inventor	Kimura, Mitsuo; Yamazaki, Yoshio; Tanaka, Masahito
Title	Stainless steel pipe having excellent expandability for oil country tubular goods
Info	
IPC	C22C038/40
Composition nr.	1
Composition	[weight-%]: C : 0-0,05 * SI : 0-0,5 * MN : 0,1-1,5 * P : 0-0,03 * S : 0-0,005 * CR : 10,5-17 * NI : 0,5-7 * MO : 0-3 * AL : 0-0,05 * V : 0-0,2 * N : 0-0,15 * NB : 0-0,2 * CU : 0-3,5 * TI : 0-0,8 * ZR : 0-0,2 * CA : 0-0,01 * B : 0-0,01 * W : 0-3 * O : 0-0,008 * FE : REST
Keywords	(english)
	AUSTENITE
	CORROSION-RESISTING
	MARTENSITE
	PLASTIC
	TENSILE-STRENGTH
	TOUGH
	USE
	(german)
	AUSTENIT
	KORROSIONSBEST
	MARTENSIT
	PLASTISCH
	ZUGFEST
	ZÄH
	VERWENDUNG

## 6 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:55H)

Field	Content
Publication	US20080310990 A1
Priority	JP2005131477
Application	US2402200691915806
Applicant	Kimura, Mitsuo; Yamazaki, Yoshio; Tanaka, Masahito
Inventor	Kimura, Mitsuo; Yamazaki, Yoshio; Tanaka, Masahito
Title	Stainless steel pipe having excellent expandability for oil country tubular goods
Info	Independent claim 2
IPC	C22C038/40
Composition nr.	3
Composition	[weight-%]. C : 0,01-0,05 * SI : 0-0,5 * MN : 0,3-1,5 * AL : 0-0,05 * CR : 12-17 * MO : 0-3 * NI : 2-7 * V : 0-0,2 + CA : 0,0005-0,1 + CU : 0-3,5 + NB : 0-0,2 + TI : 0-0,3 + W : 0-3 + ZR : 0-0,2 + B : 0-0,1 * N : 0,01-0,15 * P : 0-0,03 * S : 0-0,005 * FE : REST
Keywords	(english)
	AUSTENITE
	CORROSION-RESISTING
	MARTENSITE
	PLASTIC
	TENSILE-STRENGTH
	TOUGH
	(german)
	AUSTENIT
	KORROSIONSBEST
	MARTENSIT
	PLASTISCH
	ZUGFEST
	ZÄH

USE	VERWENDUNG	
7 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22.1.2010 (14:58H)		
<b>Field</b> <b>Content</b>		
Publication	US20080310990 A1	
Priority	JP2005131477	
Application	US2402200691915806	
Applicant	Kimura, Mitsuo; Yamazaki, Yoshio; Tanaka, Masahito	
Inventor	Kimura, Mitsuo; Yamazaki, Yoshio; Tanaka, Masahito	
Title	Stainless steel pipe having excellent expandability for oil country tubular goods	
Info	Independent claim 4	
IPC	C22C038/40	
Composition nr.	5	Composite component -
Composition	[weight-%]: C : 0-0,01 * SI : 0-0,5 * MN : 0,1-1,5 * AL : 0-0,05 * CR : 11-15 * MO : 0-3 * NI : 2-7 * V : 0-0,2 * CA : 0,001-0,1 + CU : 0-3,5 + NB : 0-0,2 + TI : 0-0,3 + W : 0-3 + ZR : 0-0,2 + B : 0,0005-0,01 + N : 0-0,01 * O : 0-0,008 * P : 0-0,03 * S : 0-0,005 * FE . REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
8 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22.1.2010 (14:58H)		
<b>Field</b> <b>Content</b>		
Publication	EP1997921 A2	
Priority	DE102007025758	
Application	EP1605200808156343	
Applicant	Mahle International GmbH	
Inventor	Bosch, Henry; Ruch, Roland; Steinert, Lutz und Miterf.	
Title	Dichtring	
Info	- basic material according claim 3	
IPC	C22C019/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,99 * SI : 0-3 * MN : 0-19 * P + S + B : 0-0,5 * CR : 3-27 * MO : 0-6 * NI : 0-37 * AL + TI : 0-6 * N : 0-0,5 * NB + V : 0-2,5 * W + CU : 0-3 * CO : 0-17 * FE : 35-97	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	BAINITE	BAINIT
	CREEP-RESIST/STABILITY	STANDFEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PERLITE	PERLIT
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG
	WEAR/ TEAR	VERSCHLEISS

## 9 - DEUTSCHE PATENT- UND MARKENANT DPMA - 22.1.2010 (14:58H)

Field	Content	
Publication	WO2008106978 A1	12.09.2008
Priority	EP07103496	05.03.2007
Application	WO2022008DK200850049	
Applicant	Danmarks Tekniske Universitet (Technical University of Denmark); Dong Energy A-S	
Inventor	Danielsen, Hilmar; Hald, John	
Title	Martensitic creep resistant steel strengthened by Z-phase	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 9-15 + N : 0,01-0,2 + C : 0-0,09999 + V : 0,01-0,5 + NB : 0,01-1 + TA : 0,01-2 + FE : REST + CO : 0-7,99999 + MO + W : 0-3,99999 + MN + NI + CU : 0-2,99999 + SI : 0-1,99999 + B : 0-0,03999 + P : 0-0,33	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	MARTENSITE	MARTENSIT
	NUCLEAR-ENERGY	KERNENERGIE
	PRODUCTION	HERSTELLUNG
	TURBINE	TURBINE
	USE	VERWENDUNG

## 10 - DEUTSCHE PATENT- UND MARKENANT DPMA - 22.1.2010 (14:58H)

Field	Content	
Publication	JP2008190003 AA	21.08.2008
Priority	JP2007026328	06.02.2007
Application	JP060220072007026328	
Applicant	Nippon Steel & Sumikin Stainless Steel Corp.	
Inventor	Hiraide, Nobuhiko; Kajimura, Haruhiko	
Title	Ferritic stainless steel excellent in crevice corrosion resistance	
Info	Abstract	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,001-0,02 + SI : 0,01-0,5 + MN : 0,05-1 + P : 0-0,04 + S : 0-0,01 + N : 0,001-0,02 + CR : 12-25 + Ti : 0,02-0,5 + NB : 0,02-1 + SN : 0,005-2 + SB : 0,005-1 + NI : 0-5 + MO : 0-3 + V : 0-3 + W : 0-5 + CU : 0-1,5 + AL : 0-1 + CA : 0-0,002 + MG : 0-0,002 + B : 0-0,005 + FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST

## 11 - DEUTSCHE PATENT- UND MARKENANT DPMA - 22.1.2010 (14:58H)

Field	Content	
Publication	JP2008034110 AA	14.02.2008
Priority	JP2006202738	26.07.2006
Application	JP260720062006202738	
Applicant	Nisshin Steel Co., Ltd.	
Inventor	Iwata, Hiroshi; Anami, Katsumasa; Takahashi, Kazuhiko	
Title	Electrode material of dye-sensitized solar cell	

Info	Summary JP-description: ferrite series	
IPC	C22C038/00	
Composition nr.	3	Composite component -
Composition	[weight-%] C : 0-0,15 * SI : 0-1,2 * MN : 0-1,2 * CR : 17-32 * MO : 0,8-3 * N : 0-0,025 * CU : 0-1 * S : 0-0,03 * P : 0-0,04 * NI : 0-0,6 * NB : 0-1 * TI : 0-1 * AL : 0-0,2 * O : 0-0,005 * B : 0-0,01 * V : 0-0,3 * ZR : 0-0,3 * CA + MG + CO + REM : 0-0,1 * FE : REST	
Keywords (english)	(german)	
AUSTENITE	AUSTENIT	
ELECTRODE	ELEKTRODE	
FERRITE	FERRIT	

12 - DEUTSCHE PATENT- UND MARKENANT DPMA - 22.1.2010 (14:56:19)		
Field	Content	
Publication	JP2008034110 AA	14.02.2008
Priority	JP2006202738	26.07.2006
Application	JP260720062006202738	
Applicant	Nissin Steel Co., Ltd.	
Inventor	Iwata, Hiroshi; Anami, Katsumasa; Takahashi, Kazuhiko	
Title	Electrode material of dye-sensitized solar cell	
Info	Summary JP-description: austenite + ferrite 2 phase system	
IPC	C22C038/00	
Composition nr.	4	Composite component -
Composition	[weight-%] C : 0-0,15 * SI : 0-4 * MN : 0-2,5 * NI : 3-28 * CR : 17-32 * MO : 0,8-7 * N : 0-0,3 * CU : 0-3,5 * NB : 0-1 * TI : 0-1 * S : 0-0,03 * P : 0-0,045 * AL : 0-0,1 * O : 0-0,01 * B : 0-0,01 * V : 0-0,3 * ZR : 0-0,3 * CA + MG + CO + REM : 0-0,1 * FE : REST	
Keywords (english)	(german)	
AUSTENITE	AUSTENIT	
ELECTRODE	ELEKTRODE	
FERRITE	FERRIT	
USE	VERWENDUNG	

13 - DEUTSCHE PATENT- UND MARKENANT DPMA - 22.1.2010 (14:56:19)		
Field	Content	
Publication	US20060165552 A1	27.07.2006
Priority	US4181505	24.01.2005
Application	US2203200638702506	
Applicant	Lincoln Global, Inc.	
Inventor	Kapoor, Ashish; Melfi, Teresa; Kotecki, Damian	
Title	Hardfacing electrode	
Info	Höll-Blech	
IPC	C22C038/24	
Composition nr.	1	Composite component -
Composition	[weight-%] C : 0-1,1 * AL : 0-1 * MN : 0-5 * CA : 0-0,01 * CU : 0-4 * CR : 0-25 * HG : 0-0,001 * MO : 0-7 * NB : 0-2,5 * NI : 0-26 * N : 0-0,4 * P : 0-0,06 * SI : 0-3 * SN : 0-0,1 * V : 0-0,5 * FE : 60-99,9	
Keywords (english)	(german)	
CLADDING-MATERIAL	PLATTIERW	
ELECTRODE	ELEKTRODE	
FILLER-MATERIAL	SCHWEISSZUSATZW	
USE	VERWENDUNG	

14 - DEUTSCHE PATENT- UND MARKENANT DPMA - 22.1.2010 (14:56:19)
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Field	Content	
Publication	EP1683885 A1	26.07.2006
Priority	JP2003373404	31.10.2003
Application	EP2210200404793183	
Applicant	JFE Steel Corp.	
Inventor	Kimura, Mitsu; Tamari, Takanori; Yamazaki, Yoshio und Miterfnder	
Title	High strength stainless steel pipe excellent in corrosion resistance and method for production thereof	
Info	Bemessungsregeln	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,001-0,015 * SI : 0,01-0,5 * MN : 0,1-1,8 * P : 0-0,03 * S : 0-0,005 * CR : 15-18 * NI : 0,5-5,49 * MO : 0,5-3,5 * V : 0,02-0,2 * N : 0,001-0,015 * O : 0-0,006 * AL : 0-0,05 * NB : 0-0,2 * Ti : 0-0,3 * ZR : 0-0,2 * W : 0-3 * B : 0-0,01 * CU : 0-3,5 * CA : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR

## 18 - DEUTSCHES PATENT- UND MARKENANT (DPMA) - 22.1.2010 (DESGH)

Field	Content	
Publication	EP1662015 A1	31.05.2006
Priority	JP2003295163	19.08.2003
Application	EP1108200404771770	
Applicant	JFE Steel Corp.	
Inventor	Kimura, Mitsu; Tamari, Takanori; Yamazaki, Yoshio und Miterf.	
Title	High strength stainless steel pipe excellent in corrosion resistance for use in oil well and method for production thereof	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,05 * SI : 0,05-0,5 * MN : 0,2-1,8 * P : 0-0,03 * S : 0-0,005 * CR : 15,5-18 * NI : 1,5-5 * MO : 1-3,5 * V : 0,02-0,2 * N : 0,01-0,15 * O : 0-0,006 * AL : 0-0,05 * CU : 0-3,5 * NB : 0-0,2 * Ti : 0-0,3 * ZR : 0-0,2 * W : 0-3 * B : 0-0,01 * CA : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG

## 16 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:01)

Field	Content	
Publication	EP1642988 A1	05.04.2006
Priority	JP2003180290	20.05.2003
Application	EP2005200404734146	
Applicant	National Institute for Materials Science Tsukuba-Shi	
Inventor	Torizuka, Shiro; Muramatsu, Eiji; Inoue, Tadanobu und Miterf.	
Title	Warm rolling method	
Info		
IPC	C21D008/06	
Composition nr.	1	Composite component -
Composition	[weight-%] C : 0,001-1,2 * Si : 0,1-2 * Mn : 0,1-3 * P : 0-0,2 * S : 0-0,2 * Al : 0-1 * N : 0-0,2 * Cr + Mo + Ni + Cu : 0-30 * Nb + V + Ti : 0-0,5 * B : 0-0,01 * Fe : REST	
Keywords	(english)	(german)
	FINE-GRAINED	FEINKÖRNIG
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG

## 17 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:01)

Field	Content	
Publication	EP1637785 A1	22.03.2006
Priority	JP2004267721	15.09.2004
Application	EP2106200505253830	
Applicant	Sumitomo Metal Industries, Ltd.	
Inventor	Matsuo, Hiroshi	
Title	Steel tube excellent in exfoliation resistance of scale on inner surface	
Info		
IPC	C22C038/18	
Composition nr.	1	Composite component -
Composition	[weight-%]. C : 0-0,2 * Si : 0-2 * Mn : 0,1-3 * Cr : 9-28 * Ni : 0-1,5 * Mo : 0-5 * W : 0-10 * Cu : 0-5 * N : 0-0,3 * V : 0-1 * Nb : 0-1,5 * Ti : 0-0,5 * Ca : 0-0,2 * Mg : 0-0,2 * Al : 0-0,2 * B : 0-0,2 * REM : 0-0,2 * P + S : 0-0,333 * Fe : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	FINE-GRAINED	FEINKÖRNIG
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG

## 18 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:01)

Field	Content	
Publication	EP1514950 A1	16.03.2005
Priority	JP2002178974	19.06.2002
Application	EP1806200303733478	
Applicant	JFE Steel Corporation	

Inventor	Kimura, Mitsuo; Tamari, Takanori; Toyooka, Takaaki	
Title	Stainless steel pipe for oil well and process for producing the same	
Info	Bemessungsregeln	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-0,5 * MN : 0,2-1,8 * P : 0-0,03 * S : 0-0,005 * CR : 14-18 * NI : 5-8 * MO : 1,5-3,5 * CU : 0,5-3,5 * AL : 0-0,05 * V : 0-0,2 * N : 0,01-0,15 * O : 0-0,006 * NB : 0-0,2 + TI : 0-0,3 * ZR : 0-0,2 + B : 0-0,01 + W : 0-3 * CA : 0-0,01 * FE : REST	
Keywords (english)		
AUSTENITE	AUSTENIT	
CORROSION-RESISTING	KORROSIONSBEST	
HEAT-TREATMENT	WÄRMEBEHANDLUNG	
MARTENSITE	MARTENSIT	
PLASTIC	PLASTISCH	
PRODUCTION	HERSTELLUNG	
TENSILE-STRENGTH	ZUGFEST	
USE	VERWENDUNG	
WELDABLE	SCHWEISSBAR	

14 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:51)		
Field	Content	
Publication	JP2004243354 AA	02.09.2004
Priority	JP2003034549	13.02.2003
Application	JP130220032003034549	
Applicant	JFE Steel K. K.; Sango Co., Ltd.	
Inventor	Okada, Shuji; Kato, Yasushi; Furukimi, Osamu und Miterf.	
Title	Ferritic stainless steel welded tube of excellent spinning workability	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * CR : 10-20 * NI : 0-0,6 + NB : 0,1-1 + TI : 0,1-1 + B : 0,0002-0,003 + CO : 0,01-0,25 + V : 0,01-0,5 + W : 0,001-0,05 * AL : 0-0,1 * SI : 0-1 * MN : 0-1 * P : 0-0,04 * S : 0-0,01 * CU : 0-3 * MO : 0-3 * N : 0-0,02 * FE : REST	
Keywords (english)		
FERRITE	FERRIT	
TENSILE-STRENGTH	ZUGFEST	
USE	VERWENDUNG	
WELDABLE	SCHWEISSBAR	

20 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:51)		
Field	Content	
Publication	JP2004218069 AA	05.08.2004
Priority	JP2002377751	26.12.2002
Application	JP251120032003394215	
Applicant	Aichi Steel Works Ltd.; Toyota Central Res & Dev Lab Inc.	
Inventor	Nakajima, Yoshihiro; Ikehata, Hideaki; Matsumoto, Nobuhiko und Miterf.	
Title	High rigidity steel producible by melting method, and production method therefor	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -

Composition	[weight-%]: C : 0-0,20 * SI : 0,10-1,0 * MN : 0,20-8,0 * P : 0-0,045 * S : 0-0,030 * AL : 0-1,0 * NI : 0-14,0 + CR : 0-28,0 + MO : 0-4,0 + V : 0-1,0 + NB : 0-1,0 + CU : 0-3,5 * N : 0-0,33 * FE : REST	
Keywords	(english)	(german)
	HARD	HART
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG

21 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56H)		
Field	Content	
Publication	EP1413634 A1	28.04.2004
Priority	JP2001187862	21.06.2001
Application	EP2106200202741248	
Applicant	Sumitomo Metal Industries, Ltd.	
Inventor	Kidani, Shigeru; Ikeda, Koichi; Abe, Toshiharu	
Title	Method of producing high CR&minus;based seamless steel tube	
Info		
IPC	C21D008/10	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 10-20 * S + P : 0-0,05 * C : 0-0,3 * SI : 0-1 * MN : 0-2 * MO : 0-3 * CU : 0-0,5 * NI : 0-11 * Ti : 0-0,2 * AL : 0-0,1 * N : 0-0,1 * B : 0-0,005 * NB : 0-0,15 * V : 0-0,2 * CA : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	SURFACE	OBERFLÄCHE
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG

22 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56H)		
Field	Content	
Publication	EP1403391 A1	31.03.2004
Priority	JP2001167046	01.06.2001
Application	EP3105200202728217	
Applicant	Sumitomo Metal Industries, Ltd.	
Inventor	Kondo, Kunio; Kushida, Takahiro; Komizo, Yuchi und Miterfnder	
Title	Martensitic stainless steel	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,1 * SI : 0-1 * MN : 0-1,5 * P : 0-0,03 * S : 0-0,01 * CR : 9-15 * NI : 0-7 * AL : 0-0,05 * N : 0-0,1 * MO : 0-5 * CU : 0-3 * Ti : 0-0,5 * V : 0-0,5 * NB : 0-0,5 * B : 0-0,005 * CA : 0-0,005 * MG : 0-0,005 * REM : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH

Field	Content	VERWENDUNG
23 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 {14:56H}		
Publication	EP1403394 A1	31.03.2004
Priority	JP2002283413	27.09.2002
Application	EP2609200303021820	
Applicant	Nissin Steel Co., Ltd.	
Inventor	Tomimura, Kouki; Fujimoto, Hiroshi; Morimoto, Kenichi und Miterf.	
Title	Deflection-resistant stainless steel made structural members of a two-wheeled vehicle	
Info		
IPC	C22C038/42	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,04 * Si : 0-2 * Mn : 0-2 * Cr : 10-20 * Ni : (0)-4 * Cu : 0-3 * N : 0-0,12 * B : 0-0,015 * Mo : 0-3 * Ti : 0-0,1 * Nb : 0-0,4 * V : 0-0,3 * P + S : 0-0,333 * Fe : REST	
Keywords (english)		(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
24 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 {14:56H}		
Field	Content	
Publication	JP2004091812 AA	25.03.2004
Priority	JP2002251543	29.08.2002
Application	JP200820022002251543	
Applicant	JFE Steel K.K.	
Inventor	Nakamichi, Jiro; Sato, Kaoru; Fukui, Toshihiko	
Title	Hot-rolled martensitic stainless steel strip excellent in manufacturability	
Info	Die Informationen stammen teilweise aus einer elektronischen Übersetzung der jp. Schrift	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * Si : 0,1-0,3 * Mn : 0,1-0,3 * Cr : 11-15 * Ni : 5-8 * Mo : 1,5-3 * Al : 0-0,10 * N : 0-0,020 * P + S : 0-0,33 * Fe : REST * Ti : 0-0,1 + V : 0-0,1 * Cu + W : 0-1 * Ca : 0-0,005 + Zr : 0-0,005 + Mg : 0-0,005	
Keywords (english)		(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR
25 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 {14:56H}		
Field	Content	
Publication	JP2004043940 AA	12.02.2004
Priority	JP2002206453	16.07.2002

Application	JP160720022002206453	
Applicant	Nisshin Steel Co. Ltd.; Sangaku Renkei Kiko Kyushu K. K.	
Inventor	Hirota, Ryuji; Takagi, Setsuo; Tsuchiyama, Akihiro	
Title	Iron-chromium based steel sheet having small plastic anisotropy and its manufacturing method	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * Si : 0-2,0 * Cr : 8,0-18,0 * N : 0-0,05 * Al : 0-0,5 * Ti : 0-0,5 * V : 0-0,5 * Nb : 0-0,5 * B : 0-0,020 * Mo : 0-5,0 * Ni : 0-5,0 + Mn : 0-5,0 + Cu : 0-5,0 * P + S : 0-0,33 * Fe : REST	
Keywords (english)	(german)	
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG

26 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58H)		
Field	Content	
Publication	EP1386977 A1	04.02.2004
Priority	JP2001139576	10.05.2001
Application	EP0905200202769555	
Applicant	Nisshin Steel Co. Ltd.	
Inventor	Tomimura, K.; Fujimoto, H.; Morimoto, K. und Miterf.	
Title	Ferritic stainless steel strip excellent in freeze of shape formed by working	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * Si : 0-1 * Mn : 0-1 * P : 0-0,05 * S : 0-0,02 * Ni : 0-2 * Cr : 8-22 * N : 0-0,05 * Al : 0-0,1 * Mo : 0-1 * Cu : 0-1 * Ti : 0-0,5 * Nb : 0-0,5 * V : 0-0,3 * Zr : 0-0,3 * B : 0-0,01 * Fe : REST	
Keywords (english)	(german)	
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	USE	VERWENDUNG

27 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58H)		
Field	Content	
Publication	DE60300060 T2	22.10.2003
Priority	JP2002091877	28.03.2002
Application	DE2603200360300060	
Applicant	JFE Steel Corp.	
Inventor	Hirasawa, Junichiro; Ujiro, Takumi; Furukimi, Osamu	
Title	Rostfreie Stahlbleche für geschweißte Baukomponenten und Herstellungsverfahren derselben	
Info	Bemessungsregeln	
IPC	C22C038/40	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,007 * Si : 0-1 * Mn : 0-1,5 * Cr : 11-15 * Ni : 1,01-2,5 * Al : 0-0,098 * N : 0-0,009 * P : 0-0,04 * S : 0-0,01 * Mo : 0-2 * Co : 0-2 * Cu : 0-2 * B : 0-0,005 * Ca : 0-0,005 * Mg : 0-0,01 * W : 0-0,1 * Ti : 0-0,2 * Nb : 0-0,2 * V : 0-0,2 * Zr : 0-0,2 * Ta : 0-0,2 * Fe : REST	

Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR

DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56:51)		
Field	Content	
Publication	EP1323841 A1	02.07.2003
Priority	JP2001394433	26.12.2001
Application	EP1112200202027642	
Applicant	Kawasaki Steel Corp.	
Inventor	Hirasawa, Junichiro; Ujiro, Takumi; Furukimi, Osamu	
Title	Martensitic stainless steel sheet and method for making the same	
Info		
IPC	C22C038/44	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * Si : 0-1 * Mn : 0-1,5 * P : 0-0,04 * S : 0-0,01 * Al : 0-0,1 * Ni : 1,5-4 * Cr : 11-15 * Mo : 0,5-2 * N : 0-0,02 * Cu : 0-2 + Co : 0-2 * Fe : REST * Ti : 0-0,2 + Nb : 0-0,2 + V : 0-0,2 + Zr : 0-0,2 + Ta : 0-0,2 * B : 0-0,005 + Ca : 0-0,005 * W : 0-0,1 + Mg : 0-0,01	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH

DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56:51)		
Field	Content	
Publication	JP2003160846 AA	06.06.2003
Priority	JP2001362047	28.11.2001
Application	JP281120012001362047	
Applicant	Nissin Steel Co. Ltd.	
Inventor	Tomimura, Hiroki; Fujimoto, Hiroshi; Morimoto, Kenichi und Miterfnder	
Title	Stainless steel strip with excellent shape freezability and manufacturing method therefor	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * N : 0-0,02 * Cr : 8-50 * Si : 0-1 * Mn : 0-1 * P : 0-0,05 * S : 0-0,02 * Ni : 0-2 * Al : 0-0,1 * Mo : 0-1 * Cu : 0-1 * Ti : 0-0,5 * Nb : 0-0,5 * V : 0-0,3 * Zr : 0-0,3 * B : 0-0,01 * Fe : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG

## 30 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22 1.2818 (14.588)

Field	Content	
Publication	EP1310575 A1	14.05.2003
Priority	JP2000226832	27.07.2000
Application	EP1707200101950005	
Applicant	Kawasaki Steel Corporation	
Inventor	Toyooka, Takaaki; Yorifuji, Akira; Kitazawa, Makoto und Miterf.	
Title	Stainless-steel pipe with excellent suitability for secondary processing for automotive structural member	
Info		
IPC	C22C038/18	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,2 * SI : 0-1,5 * MN : 0-2 * CR : 10-18 * N : 0-0,03 * CU : 0-0,6 * NI : 0-0,6 * MO : 0-2,5 * NB : 0-1 * TI : 0-1 * V : 0-1 * O : 0-0,008 * P : 0-0,045 * S : 0-0,02 * FE : REST	
Keywords	(english)	(german)
	FERRITE	FERRIT
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	USE	VERWENDUNG

## 31 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22 1.2818 (14.588)

Field	Content	
Publication	EP1306258 A1	02.05.2003
Priority	JP2000233416	01.08.2000
Application	EP2607200101954341	
Applicant	Nisshin Steel Co., Ltd.	
Inventor	Ishikawa, Hanji; Morikawa, Shigeru; Nagoya, Toshiro und Miterfnder	
Title	Stainless steel fuel tank for automobile	
Info	Plattierung:CR:> 25	
IPC	C22C038/00	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [atomic-%]: CR : 25-45 * FE : REST Component b [weight-%]: CR : 15-20 * NI : 5-19 * CU : 0-5 * S : 0-0,005 * C * N : 0-0,1 * SI : 0-2 * MN : 0-5 * MO : 0-3 + AL : 0-0,5 + TI : 0-1 + NB : 0-1 + ZR : 0-1 + V : 0-1 + B : 0-0,1 + REM : 0-0,05 + CA : 0-0,03 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	PLASTIC	PLASTISCH
	SURFACE	OBERFLÄCHE

## 32 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22 1.2818 (14.588)

Field	Content	
Publication	EP1306258 A1	02.05.2003
Priority	JP2000233416	01.08.2000
Application	EP2607200101954341	
Applicant	Nisshin Steel Co., Ltd.	
Inventor	Ishikawa, Hanji; Morikawa, Shigeru; Nagoya, Toshiro und Miterfnder	
Title	Stainless steel fuel tank for automobile	
Info	Plattierung: CR:> 25	

IPC	C22C038/00	
Composition nr.	2	Composite component b
Composition	Composite material [%]: PLATTIERUNG + KERN Component a [atomic-%]: CR : 25-45 * FE . REST Component b [weight-%]: CR : 11-20 * S : 0-0,01 * NI : 0-0,6 * C * N : 0-0,1 * SI : 0-1 * CU : 0-0,5 * MN : 0-1 * MO : 0-3 + AL : 0-0,5 + TI : 0-1 + NB : 0-1 + ZR : 0-1 + V : 0-1 + B : 0-0,1 + REM . 0-0,05 + CA : 0-0,03 * FE : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	PLASTIC	PLASTISCH
	SURFACE	OBERFLÄCHE

## 32 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56H)

Field	Content	
Publication	WO2003035921 A1	01.05.2003
Priority	JP2001322548	19.10.2001
Application	WO04102002JP200210394	
Applicant	Sumitomo metal industries Ltd.	
Inventor	Yoshizawa, Misuru; Kondo, Kunio; Igarashi, Masaaki und Miterfnder	
Title	Martensitic stainless steel and method for manufacturing same	
Info		
IPC	C22C038/18	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,1 * CR : 9-15 * SI : 0,05-1 * MN : 0,05-1,5 * P : 0-0,03 * S : 0-0,01 * NI : 0,1-7 * AL : 0-0,05 * N : 0-0,1 * CU : 0-4 * MO : 0-3 * TI : 0-0,5 * V : 0-0,5 * NB : 0-0,5 * B : 0-0,005 * CA : 0-0,005 * MG : 0-0,005 * REM : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG

## 34 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56H)

Field	Content	
Publication	WO2003033754 A1	24.04.2003
Priority	JP2001320372	18.10.2001
Application	WO04102002JP200210395	
Applicant	Sumitomo Metal Industries, Ltd.	
Inventor	Amaya, Hisashi; Kondo, Kunio; Ueda, Masakatsu und Miterfnder	
Title	Martensitic stainless steel	
Info	Bedingung gilt: 0,2% <= MO+ CU/4 <= 5%	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,1 * SI : 0,05-1 * MN : 0,05-1,5 * P : 0-0,03 * S : 0-0,01 * CR : 9-15 * NI : 0,1-4,5 * AL : 0-0,05 * N : 0-0,1 * CU : 0,05-5 * MO : 0,05-5 * TI : 0-0,5 * V : 0-0,5 * NB : 0-0,5 * B : 0-0,005 * CA : 0-0,005 * MG : 0-0,005 * REM : 0-0,005 * FE : REST	

Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG

DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 {14:55H}		
Field	Content	
Publication	US2003044305 A1	06.03.2003
Priority	JP2003111398	12.10.2000
Application	US1110200114949401	
Applicant	MIYAZAKI, ATSUSHI; HIRASAWA, JUNICHIRO; SADAO, HASUNO UND MITANMELDER	
Inventor	MIYAZAKI, ATSUSHI; HIRASAWA, JUNICHIRO; SADAO, HASUNO UND MITERFINDER	
Title	CR CONTAINING STEEL FOR WELDED STRUCTURE	
Info	BEDINGUNG GILT: CR + 0,4 x SI + 0,2 x AL + 5 x P-0,4 x MN - 0,7 x NI - 35 x C - 10 x N + 10 x V <= 13,5	
IPC	C22C03844	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * SI : 0-1 * MN : 1-5 * P : 0-0,05 * S : 0-0,02 * CR : 6-15 * NI : 0,1-1 * AL : 0-0,1 * N : 0-0,02 * V : 0,03-0,3 * CU : 0-2 * MO : 0-3 * B : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR

DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 {14:55H}		
Field	Content	
Publication	JP2002339044 AA	27.11.2002
Priority	JP2001144832	15.05.2001
Application	JP150520012001144832	
Applicant	NKK Corp.	
Inventor	Sato, Kaoru; Nakamichi, Jiro; Minami, Yusuke und Miterf.	
Title	High strength martensite stainless steel strip and production method therefore	
Info	Der Gehalt an N wird auf ungefähr gleich 60 ppm eingestellt	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,02 * SI : 0,1-0,3 * MN : 0,1-0,3 * CR : 11-15 * NI : 1-7 * AL : 0-0,06 * N : 0,008-0,03 * S : 0-0,002 * NB + V + Ti + CA + ZR + MG + CU + MO : (0)-4,44 * P : 0-0,333 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST

USE	VERWENDUNG	
37 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56h)		
<b>Field</b> <b>Content</b>		
Publication	JP2002332548 AA	
Priority	JP2001139575	
Application	JP100520012001139575	
Applicant	Nissin Steel Co. Ltd.	
Inventor	Tomimura, Hiroki; Fujimoto, Hiroshi; Morimoto, Kenichi und Miterf.	
Title	Ferritic stainless steel strip having excellent shape fixability on forming and production method therefor	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-1 * MN : 0-2 * P : 0-0,05 * S : 0-0,02 * NI : 0-3 * CR : 8-22 * N : 0-0,05 * MO : 0-1 + CU : 0-1 + AL : 0-0,1 + Ti : 0,01-0,5 + NB : 0,01-0,5 + V : 0,01-0,3 + ZR : 0,01-0,3 + B : 0,001-0,01 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG
38 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56h)		
<b>Field</b> <b>Content</b>		
Publication	JP2002332549 AA	
Priority	JP2001139576	
Application	JP100520012001139576	
Applicant	Nissin Steel Co. Ltd.	
Inventor	Tomimura, Hiroki; Fujimoto, Hiroshi; Morimoto, Kenichi und Miterf.	
Title	Ferritic stainless steel strip having excellent shape fixability on forming and production method therefor	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-1 * MN : 0-1 * P : 0-0,05 * S : 0-0,02 * NI : 0-2 * CR : 8-22 * N : 0-0,05 * AL : 0-0,1 + MO : 0-1 + CU : 0-1 + Ti : 0-0,5 + NB : 0-0,5 + V : 0-0,3 + ZR : 0-0,3 + B : 0-0,01 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	PRODUCTION	HERSTELLUNG
39 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 20.1.2010 (14:56h)		
<b>Field</b> <b>Content</b>		
Publication	WO2002092867 A1	
Priority	JP2001139576	
Application	WO09052002JP200204524	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	TOMIMURA, KOUKI; FUJIMOTO, HIROSHI; MORIMOTO, KENICHI UND MITERFINDER	
Title	FERRITIC STAINLESS STEEL STRIP EXCELLENT IN FREEZE OF SHAPE FORMED BY WORKING	
Info		
IPC	C22C03800	

Composition nr.	1	Composite component -
Composition	[weight-%]. C : 0-0,1 + SI : 0-1 + MN : 0-1 + P : 0-0,05 + S : 0-0,02 + NI : 0-2 + CR : 8-22 + N : 0-0,05 + AL : 0-0,1 + MO : 0-1 + CU : 0-1 + Ti : 0-0,5 + NB : 0-0,5 + V : 0-0,3 + ZR : 0-0,3 + B : 0-0,01 + FE : REST	
Keywords (english)	CORROSION-RESISTING FERRITE PRODUCTION	(german) KORROSIONSBEST FERRIT HERSTELLUNG

40 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:11)		
Field	Content	
Publication	EP1249513 A1	16.10.2002
Priority	JP2001113724	12.04.2001
Application	EP1104200202008138	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	ISHIKAWA, HANJI; OTSUKA, MASATO; SUZUKI, SATOSHI UND MITERFINDER	
Title	A SOFT STAINLESS STEEL SHEET EXCELLENT IN WORKABILITY	
Info	AUSSCHEIDUNG VON 70 GEW% ODER MEHR NICHTMETALLISCHER EINSCHLÜSSE MN.O-SI.O-AL.O IN DER MATRIX	
IPC	C22C03842	
Composition nr.	1	Composite component -
Composition	[weight-%]. C * N : 0-0,06 + SI : 0-2 + MN : 0-5 + CR : 15-20 + NI : 5-9 + CU : 1-4 + AL : 0-0,003 + S : 0-0,005 + FE : REST + Ti : 0-0,5 + NB : 0-0,5 + ZR : 0-0,5 + V : 0-0,5 + MO : 0-3 + B : 0-0,03 + REM : 0-0,02 + CA : 0-0,03	
Keywords (english)	AUSTENITE CORROSION-RESISTING HARD PLASTIC TENSILE-STRENGTH	(german) AUSTENIT KORROSIONSBEST HART PLASTISCH ZUGFEST

41 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:11)		
Field	Content	
Publication	JP2002173743 AA	21.06.2002
Priority	JP2000374703	05.12.2000
Application	JP05122002000374703	
Applicant	Nissrin Steel Co., Ltd.	
Inventor	Morikawa, Shigeru; Kawamura, Ko; Ishikawa, Hanji und Miterfinder	
Title	Stainless steel sheet having excellent high speed formability	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]. C * N : 0-0,07 + SI : 0-1,2 + MN : 0-5 + CR : 15-20 + NI : 5-9 + CU : 1-5 + S : 0-0,006 + FE : REST + AL : 0-0,5 + Ti : 0-0,5 + NB : 0-0,5 + ZR : 0-0,5 + V : 0-0,5 + MO : 0-3 + B : 0-0,03 + REM : 0-0,02 + CA : 0-0,03	
Keywords (english)	CORROSION-RESISTING	(german) KORROSIONSBEST

42 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:11)		
Field	Content	
Publication	JP2002146484 AA	22.05.2002
Priority	JP2000343528	10.11.2000
Application	JP10112002000343528	

Applicant	Sanyo Spezial Steel Co. Ltd.	
Inventor	Kariya, Tetsuro; Isomoto, Tatsuro	
Title	High strength ferritic heat resistant steel	
Info		
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%], CR : 0-40 + SI : 0-10 + AL : 0-10 + W : 0-10 + MO : 0-10 * C : 0-0,05 * N : 0-0,05 * V + NB + Ti + TA + MN + B + NI + CO + CU + REM : 0-5 * FE : REST	
Keywords	<p>(english)</p> CREEP-RESIST/STABILITY FERRITE HEAT-RESISTANT HEAT-TREATMENT NUCLEAR-ENERGY PRECIPITATION-HARDENING TENSILE-STRENGTH TURBINE	
	<p>(german)</p> STANDFEST FERRIT HITZEBEST WÄRMEBEHANDLUNG KERNENERGIE AUSSCHEIDUNGSH ZUGFEST TURBINE	

43 - DEUTSCHESES PATENT- UND MARKENANT DPMA - 22.1.2010 {14:0883}		
Field	Content	
Publication	WO2002031213 A1	18.04.2002
Priority	JP2000311398	12.10.2000
Application	WO11102001JP200108933	
Applicant	KAWASAKI STEEL CORP.	
Inventor	MIYAZAKI, ATSUSHI/ HIRASAWA, JUNICHIRO/ SATOH, SUSUMU UND MITERFINDER	
Title	CR CONTAINING STEEL FOR WELDED STRUCTURE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%], C : 0-0,02 * SI : 0-1 * MN : 1-5 * P : 0-0,05 * S : 0-0,02 * CR : 6-15 * NI : 0,1-1 * AL : 0-0,1 * N : 0-0,02 * V : 0,03-0,3 * FE : REST * CU : 0-2 * MO : 0-3 * B : 0-0,005	
Keywords	<p>(english)</p> WELDABLE	
	<p>(german)</p> SCHWEISSBAR	

44 - DEUTSCHESES PATENT- UND MARKENANT DPMA - 22.1.2010 {14:0884}		
Field	Content	
Publication	WO0210469 A	07.02.2002
Priority	JP226832	27.07.2000
Application	WO17072001JP01/06155	
Applicant	KAWASAKI STEEL CORP.	
Inventor	TOOOKA, TAKAAKI/ YORIFUJI, AKIRA/ KITAZAWA, MAKOTO UND MITERFINDER	
Title	STAINLESS-STEEL PIPE WITH EXCELLENT SUITABILITY FOR SECONDARY PROCESSING FOR AUTOMOTIVE STRUCTURAL MEMBER	
Info		
IPC	C22C03818	
Composition nr.	1	Composite component -
Composition	[weight-%], C : 0-0,2 * SI : 0-1,5 * MN : 0-2 * P : 0-0,045 * S : 0-0,02 * O : 0-0,008 * CR : 10-18 * N : 0-0,03 * NI : 0-0,6 * CU : 0-0,5 * MO : 0-2,5 * NB : 0-1 * Ti : 0-1 * V : 0-1 * FE : REST	
Keywords	<p>(english)</p> CORROSION-RESISTING	
	<p>(german)</p> KORROSIONSBEST	

FERRITE	FERRIT
HEAT-TREATMENT	WÄRMEBEHANDLUNG
HIGH-TEMPER-STRENGTH	WARMFEST
MARTENSITE	MARTENSIT
TENSILE-STRENGTH	ZUGFEST
USE	VERWENDUNG

48 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56:18)

Field	Content
Publication	JP2002038242 AA
Priority	JP2000226832
Application	JP270720002000226832
Applicant	KAWASAKI STEEL CORP.
Inventor	TOYOOKA, TAKAAKI; KITAZAWA, MAKOTO; KAWABATA, YOSHIKAZU UND MITERFINDER
Title	STAINLESS STEEL TUBE FOR STRUCTURAL MEMBER OF AUTOMOBILE EXCELLENT IN SECONDARY WORKING PROPERTY
Info	
IPC	C22C03800
Composition nr.	1
Composition	[weight-%]: C : 0-0,2 + SI : 0-1,5 + MN : 0-2 + CR : 10-18 + N : 0-0,03 + CU : 0-0,6 + NI : 0-0,6 + MO : 0-2,5 + NB : 0-1 + Ti : 0-1 + V : 0-1 + Fe : REST
Keywords	(english)
	CORROSION-RESISTING
	FERRITE
	MACHINABLE
	MARTENSITE
	PLASTIC
	TENSILE-STRENGTH
	TEXTURE
	(german)
	KORROSIONSBEST
	FERRIT
	ZERSPANBAR
	MARTENSIT
	PLASTISCH
	ZUGFEST
	TEXTUR

48 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:38)

Field	Content
Publication	JP2002004011 AA
Priority	JP2000189004
Application	JP230620002000189004
Applicant	NISSHIN STEEL CO. LTD.
Inventor	OKU, MANABU; FUJIMURA, YOSHIIKU; NAGOSHI, TOSHIRO
Title	FERRITIC STAINLESS STEEL FOR EXHAUST GAS ROUTE MEMBER OF GAS TURBINE
Info	
IPC	C22C03800
Composition nr.	1
Composition	[weight-%]: C : 0-0,03 + SI : 0-1 + MN : 0-1,5 + NI : 0-0,6 + CR : 11-19 + NB : 0-0,6 + CU : 1-3 + N : 0-0,03 + MO : 0-1 + Ti : 0-1 + V : 0-1 + W : 0-3 + ZR : 0-3 + Fe : REST
Keywords	(english)
	CORROSION-RESISTING
	FERRITE
	HIGH-TEMPER-STRENGTH
	TOUGH
	TURBINE
	(german)
	KORROSIONSBEST
	FERRIT
	WARMFEST
	ZAH
	TURBINE

## 47 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:56:11)

Field	Content	
Publication	DE10025108 A	29.11.2001
Priority	DE10025108	20.05.2000
Application	DE2005200010025108	
Applicant	FORSCHUNGSZENTRUM JUELICH GMBH	
Inventor	OUADAKKERS, WILLEM J. / SHEMET, VLADIMIR / SINGHEISER, LORENZ	
Title	HOCHTEMPERATURWERKSTOFF	
Info		
IPC	C22C03818	
Composition nr.	1	Composite component -
Composition	[weight-%] Y + CE + ZR + HF + LA : 0-2 * MN + NI + CO : 0-2 * Ti + SR + CA : 0-2 * CR : 12-28 * Si : 0-0,5 * Al : 0-0,5 * C + N + S + B + P : 0-1 * V + CU : 0-1 * MO + W + NB + TA + RE : 0-10 * O : 0-0,33 * Fe : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	ELECTRIC	ELEKTRISCH
	ELECTRODE	ELEKTRODE
	HEAT-RESISTANT	HITZEBEST
	SURFACE	OBERFLÄCHE

## 48 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:56:11)

Field	Content	
Publication	JP2001303202 AA	31.10.2001
Priority	JP2000116926	18.04.2000
Application	JP18042002000116926	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	OKU, MANABU; FUJIMURA, YOSHIO; NAGOSHI, TOSHIRO	
Title	FERRITIC STAINLESS STEEL FOR EXHAUST GAS PASSAGE MEMBER OF GAS TURBINE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%] C : 0-0,03 * Si : 0-1 * Mn : 0-1,5 * Ni : 0-0,6 * Cr : 11-19 * Nb : 0-0,6 * Mo : 1-3 * N : 0-0,03 * Cu + Ti + V + W + Zr : 0-3 * Fe : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	CREEP-RESIST/STABILITY	STANDFEST
	FERRITE	FERRIT
	HEAT-RESISTANT	HITZEBEST
	TOUGH	ZÄH
	TURBINE	TURBINE

## 49 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:56:11)

Field	Content	
Publication	JP2001279389 AA	10.10.2001
Priority	JP2000091156	29.03.2000
Application	JP2903200200091156	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	HIRAMATSU, NAOTO; TOMIMURA, HIROKI; ISOZAKI, SEIICHI	
Title	HYDROPHILIC FERRITIC STAINLESS STEEL PRODUCT	

Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,15 * SI : 0,3-5 + MN : 0,3-10 * CR : 10-50 * NI : 0-4 * MO : 0-4 * CU : 0-4 * TI + AL + NB + V + ZR + B + REM : 0-1 * FE : REST * N : 0-0,15	
Keywords (english)		(german)
FERRITE		FERRIT
HEAT-TREATMENT		WÄRMEBEHANDLUNG
USE		VERWENDUNG

S2 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:5619)		
Field	Content	
Publication	JP2001279390 AA	10.10.2001
Priority	JP2000091236	29.03.2000
Application	JP290320002000091236	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	HIRAMATSU, NAOTO; TOMIMURA, HIROKI; ISOZAKI, SEIICHI	
Title	HYDROPHILIC AUSTENITIC STAINLESS STEEL PRODUCT	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,15 * SI : 0,3-5 + MN : 0,3-10 * CR : 10-50 * NI : 4-20 * N : 0-0,15 * MO : 0-4 * CU : 0-4 * TI + AL + NB + V + ZR + B + REM : 0-1 * FE : REST	
Keywords (english)		(german)
AUSTENITE		AUSTENIT
HEAT-TREATMENT		WÄRMEBEHANDLUNG
USE		VERWENDUNG

S1 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:5619)		
Field	Content	
Publication	JP2001271143 AA	02.10.2001
Priority	JP2000088221	28.03.2000
Application	JP280320002000088221	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	HIRAMATSU, NAOTO; TOMIMURA, HIROKI; KUNITAKE, YASUTOSHI	
Title	FERRITIC STAINLESS STEEL EXCELLENT IN RIDGING RESISTANCE AND ITS PRODUCTION METHOD	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-1,5 * MN : 0-2 * P : 0-0,05 * S : 0-0,015 * NI : 0-2 * CR : 10-20 * AL : 0-0,1 * N : 0-0,05 * MO : 0-1 * CU : 0-1 * TI : 0-0,5 * NB : 0-0,5 * V : 0-0,3 * ZR : 0-0,3 * B : 0-0,01 * FE : REST	
Keywords (english)		(german)
CORROSION-RESISTING		KORROSIONSBEST
FERRITE		FERRIT
SURFACE		OBERFLÄCHE
TENSILE-STRENGTH		ZUGFEST
USE		VERWENDUNG

S3 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:5619)		
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Field	Content	
Publication	DE60001797 T2	04.07.2001
Priority	JP345449/99	03.12.1999
Application	DE2911200060001797	
Applicant	Kawasaki Steel Corp.	
Inventor	Hirata, Norimasa; Yokota, Takeshi; Kato, Yasushi und Miterf.	
Title	Blech aus ferritischem rostfreiem Stahl	
Info	Vergl. SUS 430	
IPC	C22C038/00	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-1,5 * MN : 0-1,5 * CR : 5-50 * NI : 0-2 * P : 0-0,08 * S : 0-0,02 * N : 0-0,1 * NB : 0-0,5 * TI : 0-0,5 * AL : 0-0,2 * ZR : 0-0,3 * V : 0-0,3 * MO : 0-2,5 * CU : 0-2,5 * W : 0-2 * REM : 0-0,1 * B : 0-0,05 * CA : 0-0,02 * MG : 0-0,02 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	TEXTURE	TEXTUR
	USE	VERWENDUNG

83 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 29.1.2010 (14:55h)		
Field	Content	
Publication	EP1112804 A2	04.07.2001
Priority	JP372280/99	28.12.1999
Application	EP221220000128443	
Applicant	Kawasaki Steel Corporation; Nippon Welding Rod Co., Ltd.	
Inventor	Miyata, Yukio; Kimura, Mitsu; Toyooka, Takaaki und Miterf.	
Title	Welding material and arc welding method for low carbon martensitic stainless steel	
Info		
IPC	B23K035/30	
Composition nr.	1	Composite component a
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: C + N : 0-0,02 * SI : 0-0,5 * MN : 0,2-3 * CR : 11-15 * NI : 2-7 * CU : 0,2-2 + MO : (0)-4 * V + TI : 0-0,3 * REM : 0-0,3 * P : 0-0,03 * S : 0-0,01 * O : 0-0,01 * FE : REST Component b [weight-%]: C : 0-0,05 * SI : 0-1 * MN : 0,1-3 * P : 0-0,03 * S : 0-0,01 * CR : 10-14 * NI : 1-7 * CU : 0,2-2 + MO : 0,2-3,5 * V : 0-0,2 + TI : 0-0,1 + NB : 0-0,2 + ZR : 0-0,1 * N : 0-0,05 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FILLER-MATERIAL	SCHWEISSZUSATZW
	MARTENSITE	MARTENSITT
	TURBINE	TURBINE
	USE	VERWENDUNG

84 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:55h)		
Field	Content	
Publication	EP1113084 A	04.07.2001
Priority	JP345449	03.12.1999
Application	EP291120000126068	
Applicant	KAWASAKI STEEL CORP.	
Inventor	HIRATA, NORIMASA/ YOKOTA, TAKESHI/ KATO, YASUSHI/ UJIRO, TAKUMI UND MITERFINDER	
Title	FERRITIC STAINLESS STEEL PLATE AND METHOD	

Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-1,5 * MN : 0-1,5 * CR : 5-50 * NI : 0-2 * P : 0-0,08 * S : 0-0,02 * N : 0-0,1 * FE : REST * NB : 0-0,5 + AL : 0-0,2 + V : 0-0,3 + ZR : 0-0,3 + MO : 0-2,5 + CU : 0-2,5 + W : 0-2 + REM : 0-0,1 + B : 0-0,05 + CA : 0-0,02 + MG : 0-0,002	
Keywords (english)		(german)
CORROSION-RESISTING		KORROSIONSBEST
FERRITE		FERRIT
HEAT-TREATMENT		WÄRMEBEHANDLUNG
PLASTIC		PLASTISCH
PRODUCTION		HERSTELLUNG
TEXTURE		TEXTUR

## 63 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:55:01)

Field	Content	
Publication	JP01179485 A	03.07.2001
Priority	JP370129	27.12.1999
Application	JP2712199911-370129	
Applicant	SUMI TOMO METAL IND LTD	
Inventor	OMURA, TOMOHIKO / HAMADA, MASAHIKO / OGAWA, KAZUHIRO UND MITERFINDER	
Title	MARTENSITIC WELDED STAINLESS STEEL PIPE AND PRODUCING METHOD THEREFOR	
Info	ANGABEN Z.T. NICHT IM ABSTRACT	
IPC	B23K03530	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-1 * MN : 0-3 * P : 0-0,04 * S : 0-0,01 * V : 0-0,1 * N : 0-0,1 * O : 0-0,06 * NI : 2-10 * CR : 12-20 * MO : 0-5 * TI : 0-0,2 * AL : 0-0,1 * CU : 0-3 * W : 0-6 * FE : REST	
Keywords (english)		(german)
AUSTENITE		AUSTENIT
CORROSION-RESISTING		KORROSIONSBEST
FERRITE		FERRIT
MARTENSITE		MARTENSIT
STRESS-CORROSION-RESIST		SPANNUNGSKORROSIONSBEST
TENSILE-STRENGTH		ZUGFEST
TOUGH		ZÄH
USE		VERWENDUNG
WELDABLE		SCHWEISSBAR

## 66 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:55:01)

Field	Content	
Publication	JP2001140040 AA	22.05.2001
Priority	JP11-323522	15.11.1999
Application	JP1511199911-323522	
Applicant	SUMI TOMO METAL IND LTD.	
Inventor	OMURA, TOMOHIKO; KUSHIDA, TAKAHIRO	
Title	LOW CARBON FERRITE-MARTENSITE DUPLEX STAINLESS WELDED STEEL PIPE EXCELLENT IN SULFIDE STRESS CRACKING RESISTANCE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -

Composition	[weight-%] C : 0-0,02 * P : 0-0,04 * S : 0-0,01 * NI : 2-8 * CR : 11,5-15 * MO : 1,5-4 * SI : 0-1 * MN : 0-1 * AL : 0-0,1 * CU : 0-1,2 * TI : 0-0,2 * N : 0-0,02 * V : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TOUGH	ZAH
	WELDABLE	SCHWEISSBAR

## 87 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22.1.2010 (14:58H)

Field	Content	
Publication	EP1085105 A	21.03.2001
Priority	JP250902	03.09.1999
Application	EP0109200000118990	
Applicant	ISHIDA, KIYOHITO / KOGYO GIJUTSUINCHO / OIKAWA, KATSUNARI UND MITANMELDER	
Inventor	ISHIDA, KIYOHITO / OIKAWA, KATSUNARI / EBATA, TAKASHI UND MITERFINDER	
Title	FREE CUTTING ALLOY	
Info		
IPC	C22C03860	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0,005-1,5 * SI : 0-2 * MN : 0-2 * P : 0-0,05 * CU : 0-2 * CO : 0-2 * MO : 0,1-4 + S : 0,01-1 + SE : 0,01-0,8 + TI : (0)-3,5 + ZR : (0)-0,15 * NI : 0-2 * CR : 9-17 * N : 0-0,05 * O : 0-0,03 * TE : 0-0,1 * BI : 0-0,2 * PB : 0-0,3 * CA + MG + REM : 0-0,01 * NB + V + TA + HF : 0-0,5 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MACHINEABLE	ZERSPANBAR
	MAGNETIZABLE	MAGNETISIERBAR
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH

## 88 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22.1.2010 (14:58H)

Field	Content	
Publication	JP00008144 A	11.01.2000
Priority	JP175724	23.06.1998
Application	JP2306199810-175724	
Applicant	SUMITOMO METAL IND LTD.	
Inventor	KUSHIDA, TAKAHIRO/ OMURA, TOMOHIKO/ KONDO, KUNIO	
Title	FERRITE-MARTENSITE DUPLEX STAINLESS WELDED STEEL PIPE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-1 * MN : 0-0,5 * NI : 0,7-4 * CR : 9-15 * AL : 0-0,1 * N : 0-0,02 * CU : 0-1,2 * MO : 0-1,2 * TI : 0-0,2 * V : 0-0,1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST

	WELDABLE	SCHWEISSBAR
<b>58 - DEUTSCHE PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56h)</b>		
<b>Field</b>	<b>Content</b>	
Publication	WO9947721 A	23.09.1999
Priority	JP65924	16.03.1998
Application	WO15031999JP99/01239	
Applicant	KAWASAKI STEEL CORP.	
Inventor	TOCHIHARA, MISAKO/ YOKOTA, TAKESHI/ SATOH, SUSUMU UND MITERFINDER	
Title	STAINLESS STEEL PRODUCT HAVING ENHANCED ANTIBACTERIAL ACTION AND METHOD FOR PRODUCING THE SAME	
Info		
IPC	C22C03818	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-1 * MN : 0-2 * P : 0-0,08 * S : 0-0,02 * CR : 12-17 * NI : 0-3 * N : 0,007-0,03 * MO : 0-3 * CU : 0-1 * W : 0-0,3 * V : 0-0,3 * AL : 0-1,5 * Ti : 0-0,6 * NB : 0-0,5 * ZR : 0-1 * B : 0-0,01 * AG.S + AG.O : 0-1,555 * FE : REST	
<b>Keywords</b>	<b>(english)</b>	<b>(german)</b>
	CORROSION-RESISTING	KORROSIONSBEST
	MACHINABLE	ZERSPANBAR
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG

<b>60 - DEUTSCHE PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56h)</b>		
<b>Field</b>	<b>Content</b>	
Publication	DE19740908 C	05.08.1999
Priority	DE19740908	17.09.1997
Application	DE1709199719740908	
Applicant	VACUUMSCHMELZE GMBH	
Inventor	HERGET, MATTHIAS / ROTH, OTTMAR	
Title	ANZEIGEELEMENT FUER DIE VERWENDUNG IN EINEM MAGNETISCHEN DIEBSTAHLSECURINGSYSTEM UND VERFAHREN ZUR HERSTELLUNG EINES AKTIVIERUNGSSSTREIFENS HIERFUER	
Info	MN+Ti+ZR+HF+V+Nb+TA+W+Cu+Al+Si:0-1+C+N+S+P+B+H+O:0-1	
IPC	G08B01322	
Composition nr.	1	Composite component -
Composition	[weight-%]: NI : 0,1-10 * CR : 0,1-15 * MO : 0,1-15 * FE : REST * CO : 0-10 + MN : 0-0,5 + Ti : 0-0,5 + ZR : 0-0,5 + HF : 0-0,5 + V : 0-0,5 + NB : 0-0,5 + TA : 0-0,5 + W : 0-0,5 + CU : 0-0,5 + AL : 0-0,5 + SI : 0-0,5 + C : 0-0,2 + N : 0-0,2 + S : 0-0,2 + P : 0-0,2 + B : 0-0,2 + H : 0-0,2 + O : 0-0,2	
<b>Keywords</b>	<b>(english)</b>	<b>(german)</b>
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MAGNETIZABLE	MAGNETISIERBAR
	PRODUCTION	HERSTELLUNG

<b>61 - DEUTSCHE PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56h)</b>		
<b>Field</b>	<b>Content</b>	
Publication	JP11193448 A	21.07.1999
Priority	JP365	05.01.1998
Application	JP0501199810-365	
Applicant	NKK CORP	
Inventor	HAYASHI, KENJI / KOJIMA, TOSHIKUMI / MINAMI, YUSUKE UND MITERFINDER	
Title	CLAD STEEL TUBE	
Info		

IPC	C22C03800	
Composition nr.	1	Composite component a
Composition	Composite material [%]: PLATTIERUNG + KEPN Component a [weight-%]: CR : 10-50 * C + SI + MN + CU + NI + CO + MO + W + NB + V + TI + AL + B + N + CA + REM . (0)-2,22 * P + S + O : 0-0,33 * FE : REST Component b [weight-%]: CR : 6-13 * C + SI + MN + CU + NI + CO * MO + W + NB + V + TI + AL + B + N + CA + REM . (0)-2,22 * P + S + O : 0-0,33 * FE : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	CREEP-RESIST/STABILITY	STANDFEST
	FERRITE	FERRIT
	HEAT-RESISTANT	HITZEBEST
	TOUGH	ZÄH

## 62 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 {14:56H}

Field	Content	
Publication	JP10158792 A	
Priority	JP321477	
Application	JP021219968-321477	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	MIYAKUSU, KATSUHISA/ SUZUKI, SATOSHI	
Title	AUSTENTIC STAINLESS STEEL EXCELLENT IN GRINDABILITY AFTER PRESS WORKING	
Info	NI+0,5, CR+ 0,7. (MN+ CU) > 18	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,04 * SI : 0-1 * MN : 0-5 * CR : 15-20 * NI : 5-9 * CU : 1-5 * N : 0-0,035 * MO : 0-3 * AL : 0-0,5 * TI : 0-0,5 * NB : 0-0,5 * V : 0-0,5 * B : 0-0,03 * REM : 0-0,02 * CA : 0-0,03 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG

## 63 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 {14:56H}

Field	Content	
Publication	JP10121207 A	
Priority	JP270770	
Application	JP141019968-270770	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	MIYAKUSU, KATSUHISA/ SUZUKI, SATOSHI	
Title	AUSTENITIC STAINLESS STEEL EXCELLENT IN WORKABILITY AFTER PUNCHING	
Info	462. (C+N) + 9,2. SI + 20. MN + 13,7. CR + 29. (NI+ CU) + 18,5. MO: 561-641	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,03 * SI : 0-1 * MN : 0-5 * S : 0-0,007 * CA : 0-0,03 * B : 0-0,03 * REM : 0-0,02 * CR : 15-20 * NI : 5-15 * N : 0-0,04 * MO : 0-3 * AL : 0-0,5 * TI : 0-0,5 * NB : 0-0,5 * ZR : 0-0,5 * V : 0-0,5 * CU : 0-5 * W : 0-0,8 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT

MARTENSITE	MARTENSIT
PLASTIC	PLASTISCH
USE	VERWENDUNG

DEUTSCHEM PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:5881)		
Field	Content	
Publication	JP09310157 A	02.12.1997
Priority	JP126701	22.05.1996
Application	JP220519968-126701	
Applicant	KAWASAKI STEEL CORP.	
Inventor	KAWABATA, YOSHIKAZU/ ISHII, KAZUHIDE/ SATO, SUSUMU	
Title	AUSTENITIC STAINLESS HOT ROLLED STEEL SHEET EXCELLENT IN DEEP DRAWABILITY AND ITS PRODUCTION	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,005-0,1 * SI : 0,05-1 * MN : 0,05-2 * P : 0-0,02 * S : 0-0,03 * AL : 0-0,005 * CR : 15-25 * NI : 5-15 * N : 0,005-0,3 * O : 0-0,01 * FE : REST * CU : 0-5 + CO : 0-5 + MO : 0-5 + W : 0-0,5 + NB : 0-0,5 + V : 0-0,5 + ZR : 0-0,5 + B : 0-0,01 + CA : 0-0,01	
Keywords	<b>(english)</b> AUSTENITE CORROSION-RESISTING PLASTIC PRODUCTION TEXTURE	
	<b>(german)</b> AUSTENIT KORROSIONSBEST PLASTISCH HERSTELLUNG TEXTUR	

DEUTSCHEM PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:5881)		
Field	Content	
Publication	DE69626938 T2	18.06.1997
Priority	JP347735/95	15.12.1995
Application	DE1312199669626938	
Applicant	Nissin Steel Co., Ltd.	
Inventor	Hasegawa, Morihiro; Miyakusu, Katsuhisa; Okuba, Naoto und Miterf.	
Title	Verwendung eines rostfreien Stahles als antimikrobiellen Gegenstandes in einer sanitären Umgebung	
Info		
IPC	C22C038/16	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-2 * MN : 0-5 * CR : 10-30 * NI : 5-15 * CU : 1-5 * NB + TI : 0-1 * MO : 0-3 * AL : 0-1 * ZR : 0-1 * V : 0-1 * B : 0-0,05 * REM : 0-0,05 * N + P + S : 0-0,333 * FE : REST	
Keywords	<b>(english)</b> AUSTENITE CORROSION-RESISTING HEAT-TREATMENT PRECIPITATION-HARDENING PRODUCTION USE	
	<b>(german)</b> AUSTENIT KORROSIONSBEST WÄRMEBEHANDLUNG AUSSCHEIDUNGSH HERSTELLUNG VERWENDUNG	

DEUTSCHEM PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:5881)		
Field	Content	
Publication	EP691412 A	10.01.1996
Priority	JP7021	26.01.1994

Application	EP260119959506524.4	
Applicant	KAWASAKI STEEL CORP.	
Inventor	KAWABATA, YOSHIKAZU/ SATOH, SUSUMU/ FUJISAWA, MITSUYUKI UND MITTERFINDER	
Title	METHOD OF MANUFACTURING STAINLESS STEEL SHEET OF HIGH CORROSION RESISTANCE	
Info		
IPC	C21D00802	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0-0,01 + S : 0-0,005 + O : 0-0,005 + SI : 0-3 + MN : 0-20 * CR : 9-50 * NI : 5-20 * TI : 0-1 + NB : 0-1 + V : 0-1 + ZR : 0-1 + TA : 0-1 + CO : 0-5 + CU : 0-5 + MO : 0-5 + W : 0-5 + AL : 0-5 + CA : 0-0,01 + B : 0-0,01 + P : 0-0,05 + N : 0-0,2 + FE : REST	
Keywords (english)	(german)	
CORROSION-RESISTING	KORROSIONSBEST	
HEAT-TREATMENT	WÄRMEBEHANDLUNG	
SURFACE	OBERFLÄCHE	
TOUGH	ZÄH	
USE	VERWENDUNG	

## 87 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22.7.2018 (14:55H)

Field	Content	
Publication	DE69528919 T2	04.10.1995
Priority	JP58583/94	29.03.1994
Application	DE2803199569528919	
Applicant	Kawasaki Steel Corp.	
Inventor	Yokota, Takeshi; Satoh, Susumu; Ujiro, Takumi und Mitterfinder	
Title	Verfahren zum Herstellen ferritischer rostfreier Stahlbänder mit niedriger Anisotropie in der Ebene	
Info		
IPC	C21D008/04	
Composition nr.	1	Composite component -
Composition	[weight-%], C : 0,001-0,08 + SI : 0,1-0,8 + MN : 0,1-1,5 + CR : 14-19 + NI : 0,01-1 + P : 0,01-0,08 + S : 0,001-0,008 + N : 0,002-0,08 + NB : 0-0,3 + TI : 0-0,3 + AL : 0-0,2 + V : 0-0,3 + ZR : 0-0,3 + MO : 0-2,5 + CU : 0-2,5 + FE : REST	
Keywords (english)	(german)	
CORROSION-RESISTING	KORROSIONSBEST	
FERRITE	FERRIT	
HEAT-TREATMENT	WÄRMEBEHANDLUNG	
PLASTIC	PLASTISCH	
USE	VERWENDUNG	

## 88 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22.7.2018 (14:55H)

Field	Content	
Publication	EP675206 A	04.10.1995
Priority	JP58583	29.03.1994
Application	EP2803199595104575.6	
Applicant	KAWASAKI STEEL CORP.	
Inventor	YOKOTA, TAKESHI/ SATOH, SUSUMU/ UJIRO, TAKUMI UND MITTERFINDER	
Title	METHOD OF PRODUCING FERRITIC STAINLESS STEEL STRIP WITH SMALL INTRA-FACE NISOTROPY	
Info		
IPC	C21D00804	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 + SI : 0-1,5 + MN : 0-1,5 + CR : 11-20 + NI : 0-2 + P : 0-0,08 + S : 0-0,01 + N : 0-0,1 + NB : 0-0,3 + TI : 0-0,3 + AL : 0-0,2 + V : 0-0,3 + ZR : 0-0,3 + MO : 0-2,5 + CU : 0-2,5 + FE : REST	

Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG

64 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:55h)

Field	Content
Publication	WO9520683 A
Priority	JP7021
Application	WO26011995JP95/00092
Applicant	KAWASAKI STEEL CORP.
Inventor	KAWABATA, YOSHIKAZU/ SATOH, SUSUMU/ FUJISAWA, MITSUYUKI UND MITERFINDER
Title	METHOD OF MANUFACTURING STAINLESS STEEL SHEET OF HIGH CORROSION RESISTANCE
Info	
IPC	C21D00820
Composition nr.	2
Composition	[weight-%]. C : 0-0,01 * S : 0-0,005 * Si : 0-3 * Mn : 0-20 * Cr : 9-50 * Ni : 5-20 * N : 0-0,2 * Ti : 0-1 * Nb : 0-1 * V : 0-1 * Zr : 0-1 * Ta : 0-1 * Co : 0-5 * Mo : 0-5 * Cu : 0-5 * W : 0-5 * Al : 0-5 * B : 0-0,01 * Ca : 0-0,01 * Fe . REST
Keywords	(english)
	CORROSION-RESISTING
	HEAT-TREATMENT
	SURFACE
Keywords	(german)
	KORROSIONSBEST
	WÄRMEBEHANDLUNG
	OBERFLÄCHE

70 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:55h)

Field	Content
Publication	JP07145452 A
Priority	JP5291068
Application	JP1911199305291068
Applicant	NIPPON STEEL CORP.
Inventor	SAKAKIBARA, MIZUO/ ONO, NAOTO
Title	HIGH STRENGTH AND HIGH RUSTING RESISTANT STAINLESS STEEL EXCELLENT IN WELDABILITY
Info	
IPC	C22C03800
Composition nr.	1
Composition	[weight-%]. C : 0,005-0,05 * Si : 0,05-0,8 * Mn : 0,2-10 * Ni : 1-6,5 * Cu : 0,1-3 * Cr : 12-15 * Mo : 1,5-3 * N : 0,005-0,3 * Fe . REST * NB : 0-0,3 * V : 0-0,3 * Al : 0-0,05 * B : 0-0,01
Keywords	(english)
	CORROSION-RESISTING
	TENSILE-STRENGTH
	WELDABLE
Keywords	(german)
	KORROSIONSBEST
	ZUGFEST
	SCHWEISSBAR

71 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:55h)

Field	Content
Publication	JP07118809 A
Priority	JP5262084
Application	JP2010199305262084
Applicant	KAWASAKI STEEL CORP.
Inventor	KAWABATA, YOSHIKAZU/ FUJISAWA, MITSUSACHI/ FUKUDA, KUNIO UND MITERFINDER

Title	FE-CR-NI ALLOY EXCELLENT IN DEEP DRAWABILITY	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 15-50 * NI : 1-50 * C : 0-0,0015 * S : 0-0,005 * O : 0-0,005 * FE : REST * Ti : 0,01-1 + Nb : 0,01-1 + V : 0,01-1 + Zr : 0,01-1 + Ta : 0,01-1 + Mo : 0,1-5 + W : 0,1-5 * N + Mn + Al + Cu + Co + Sn + Sb + P + Si + B : 0-2,22	
Keywords (english)		(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH

DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:58:01)		
Field	Content	
Publication	EP649915 A	26.04.1995
Priority	JP264909	22.10.1993
Application	EP2110199494116644.9	
Applicant	NKK CORP.	
Inventor	HASHIZUME, SHUJI / MINAMI, YUSUKE / ISHIZAWA, YOSHIICHI UND MITERFINDER	
Title	HIGH-STRENGTH MARTENSITIC STAINLESS STEEL AND METHOD FOR MAKING THE SAME	
Info		
IPC	C22C03842	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,06 * CR : 12-16 * Si : 0-1 * Mn : 0-2 * Ni : 0,5-8 * Mo : 0,1-2,5 * Cu : 0,3-4 * N : 0-0,05 * Fe : REST * V : 0-0,1 + Nb : 0-0,1	
Keywords (english)		(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG

DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:58:01)		
Field	Content	
Publication	JP07018385 A	20.01.1995
Priority	JP5160621	30.06.1993
Application	JP3006199305160621	
Applicant	KAWASAKI STEEL CORP.	
Inventor	SATO, SUSUMU/ FUJISAWA, MITSUSACHI/ YOKOTA, TAKESHI UND MITERFINDER	
Title	FE-CR ALLOY EXCELLENT IN RIDGING RESISTANCE	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 3-60 * C : 0-0,0025 * S : 0-0,005 * O : 0-0,005 * N : 0,003-0,5 * Fe : REST * Mo : 0,1-20 + Ti + Nb + Zr + V + Ta + W + B : 0,01-6 + Si + Mn + P + Al + Ni + Co + Cu : 0-36	
Keywords (english)		(german)

USE	VERWENDUNG
7A - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:56H)	
<b>Field</b>	<b>Content</b>
Publication	JP07018386 A
Priority	JP5160622
Application	JP3006199305160622
Applicant	KAWASAKI STEEL CORP.
Inventor	SATO, SUSUMU/ FUJISAWA, MITSUSACHI/ YOKOTA, TAKESHI UND MITERFINDER
Title	FE-CR ALLOY EXCELLENT IN BURR RESISTANCE
Info	
IPC	C22C03800
Composition nr.	1
Composition	[weight-%]: CR : 3-60 * C : 0-0,0025 * N : 0-0,005 * O : 0-0,005 * S : 0,003-0,1 * FE : REST * MO : 0,1-20 + Ti + NB + ZR + V + TA + W + B : 0,01-6 + SI + MN + P + Al + NI + CO + CU : 0-36
Keywords	(english)
	USE
	VERWENDUNG

7B - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:56H)	
<b>Field</b>	<b>Content</b>
Publication	JP06271991 A
Priority	JP59102
Application	JP180319935-59102
Applicant	NIPPON YAKIN KOGYO CO. LTD.
Inventor	FUJIWARA, MASAHIKO
Title	SUPERPLASTIC DUAL PHASE STAINLESS STEEL MINIMAL IN DEFORMATION RESISTANCE AT LOW TEMPERATURE AND EXCELLENT IN ELONGATION CHARACTERISTIC
Info	(Cr+Mo+1,5.Si+Nb+10.Ti)/(Ni+30.C+30.N+0,5.Mn):3-3,3
IPC	C22C03800
Composition nr.	1
Composition	[weight-%]. C : 0-0,01 * Si : 0-2 * Mn : 0-2 * Cr : 15-30 * Ni : 5-10 * N : 0-0,015 * Mo + W + V + Ti + Nb + Cu : 0-0,5 * Fe : REST
Keywords	(english)
	AUSTENITE
	FERRITE
	SUPERPLASTIC
	(german)
	AUSTENIT
	FERRIT
	SUPERPLASTISCH

7S - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:56H)	
<b>Field</b>	<b>Content</b>
Publication	EP597129 A
Priority	JP111014
Application	EP3004199393911960.8
Applicant	KAWASAKI STEEL CORP.
Inventor	FUJISAWA, MITSUYUKI/ KATO, YASUSHI/ YAZAWA, YOSHIHIRO UND MITERFINDER
Title	FE-CR ALLOY EXCELLENT IN WORKABILITY
Info	
IPC	C22C03818
Composition nr.	1
Composition	[weight-%]. Cr : 3-60 * C + N + O + P : 0-0,01 * Mo : (0)-20 + Ni : (0)-6 + Co : (0)-6 + Cu : (0)-3 + Al : (0)-16 + Si : (0)-25 + Mn : (0)-50 + Ca : (0)-0,05 + Mg : (0)-0,05 + SELTERD : (0)-0,2 + Ti + Nb + ZR + V + TA + W : (0)-6 + B : (0)-0,12 * Fe : REST

Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-RESISTANT	HITZEBEST
	HIGH-TEMPER-STRENGTH	WARMFEST
	PLASTIC	PLASTISCH

77 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56:10)		
Field	Content	
Publication	JP06041697 A	15.02.1994
Priority	JP128627	21.05.1992
Application	JP190519935-117400	
Applicant	KAWASAKI STEEL CORP.	
Inventor	FUJISAWA, MITSUSACHI	
Title	FE-CR ALLOY EXCELLENT IN CORROSION RESISTANCE	
Info	TO IMPROVE CORROSION RESISTANCE TO A GREATER EXTENT BY SPECIFYING CR CONTENT IN AN FE-OR STEEL WHERE RESPECTIVE CONTENTS OF C, N, O, AND S ARE REDUCED, INCREASING THE DREGREE OF THE ABOVE REDUCTION OF C, N, O, AND S AND ADDING SPECIFIC AMOUNTS OF P	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 5-60 * C + N + O + S : 0-0,01 * P : 0,01-1 * AL : 0-1 * SI : 0-1 * MN : 0-1 * MO : 0-20 * NI + CO + CU : 0-5,555 * TI + NB + TA + V + ZR + B : 0-0,2222 * W : 0-1,111 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	WELDABLE	SCHWEISSBAR

78 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56:10)		
Field	Content	
Publication	JP06002044 AA	11.01.1994
Priority	JP4-157935	17.06.1992
Application	JP170619924-157935	
Applicant	NIPPON STEEL CORP.	
Inventor	MINAMINO, SHIGERU	
Title	PRODUCTION OF THIN CAST SLAB OF FERRITIC STAINLESS STEEL	
Info	BEDINGUNG GILT: TI = 6(C+N)-1	
IPC	C21D00946	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,03 * SI : 0-1 * MN : 0-1 * P : 0-0,04 * S : 0-0,03 * CR : 0-35 * TI : 0-1 * N : 0-0,03 * NI : 0-5 * MO : 0-5 * CU : 0-1 * AL : 0-1 * V : 0-1 * B : 0-0,003 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG

79 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56:10)		
Field	Content	
Publication	JP06002046 AA	11.01.1994
Priority	JP4-160846	19.06.1992

Application	JP190619924-160846	
Applicant	Nippon Steel Corp.	
Inventor	Minamino, Shigeru	
Title	Production of ferritic stainless steel sheet excellent in surface characteristic and deep drawability	
Info		
IPC	C21D009/48	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,03 * SI : 0-1 * MN : 0-1 * P : 0-0,04 * S : 0-0,03 * CR : 10-35 * N : 0-0,03 * NI : 0,3-5 * MO : 0,1-5 + CU : 0,2-1 + Ti : 0,1-1 + AL : 0,05-1 + NB : 0,1-1 + V : 0,1-1 * B : 0-0,003 * FE : REST	
Keywords (english)		
CORROSION-RESISTING	KORROSIONSBEST	
FERRITE	FERRIT	
HEAT-TREATMENT	WÄRMEBEHANDLUNG	
PLASTIC	PLASTISCH	
PRODUCTION	HERSTELLUNG	
SURFACE	OBERFLÄCHE	
TOUGH	ZÄH	
USE	VERWENDUNG	

## SG - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56H)

Field	Content	
Publication	EP570985 A	24.11.1993
Priority	JP128627	21.05.1992
Application	EP2105199393108298.6	
Applicant	KAWASAKI STEEL CORP.	
Inventor	FUJISAWA, MITSUYUKI/ TOGASHI, FUSAO/ KATO, YASUSHI UND MITERFINDER	
Title	IRON-CHROMIUM ALLOY WITH HIGH CORROSION RESISTANCE	
Info		
IPC	C22C03818	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 5-40 * C * N * O * S : 0-0,01 * P : 0,01-1 * FE : REST * AL : 0-10 * SI : 0-10 * MN : 0-20 * Ti + NB + V + ZR + TA + W + B : 0-1 * MO : 0-20 * NI + CO + CU : 0-6 * CA + MG + SELTERD + PB + BI + SE + TE : 0-1	
Keywords (english)		
CORROSION-RESISTING	KORROSIONSBEST	
USE	VERWENDUNG	
WELDABLE	SCHWEISSBAR	

## 81 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56H)

Field	Content	
Publication	JP04168227 A	16.06.1992
Priority	JP293578	01.11.1990
Application	JP011119902-293578	
Applicant	KAWASAKI STEEL CORP.	
Inventor	YAZAWA, YOSHIHIRO	
Title	PRODUCTION OF AUSTENITIC STAINLESS STEEL SHEET OR STRIP	
Info		
IPC	C21D00946	
Composition nr.	1	Composite component -

Composition	[weight-%] C : 0-0,08 * SI : 0-2 * MN : 0-5 * CR : 11-32 * NI : 5-25 * N : 0-0,2 * MO : 0-6 + CU : 0-3 + NB : 0-0,9 + Ti + V + ZR : 0-1 * B : 0-0,005 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PRODUCTION	HERSTELLUNG

82 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:56H)		
Field	Content	
Publication	EP481377 A	22.04.1992
Priority	JP275423	16.10.1990
Application	EP1110199191117408.4	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	IGAWA, TAKASHI/ UEMATSU, YOSHIHIRO/ TAKEMOTO, TOSHIHIKO	
Title	PROCESS FOR PRODUCING HIGH-STRENGTH STAINLESS STEEL STRIP	
Info		
IPC	C21D00802D	
Composition nr.	1	Composite component -
Composition	[weight-%] C : (0)-0,15 * SI : (0)-6 * MN : (0)-10 * NI : (0)-8 * CR : 10-17 * N : (0)-0,3 * MO : 0-4 * CO : 0-4 * CU : 0-4 * Ti + AL + NB + V + ZR : 0-1 * FE : REST	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-RESISTANT	HITZEBEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG

82 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:56H)		
Field	Content	
Publication	EP481378 A	22.04.1992
Priority	JP275422	16.10.1990
Application	EP1110199191117409.2	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	IGAWA, TADASHI/ UEMATSU, YOSHIHIRO/ TAKEMOTO, TOSHIHIKO	
Title	PROCESS FOR PRODUCING HIGH STRENGTH STEEL BELT	
Info		
IPC	B21B00500	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 10-17 * C : (0)-0,15 * NI : (0)-8 * SI : (0)-6 * MN : (0)-10 * N : (0)-0,3 * FE : REST * MO : 0-4 * CU : 0-4 * CO : 0-4 * Ti + AL + NB + V + ZR + B + SELTERD : 0-1	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	FINE-GRAINED	FEINKÖRNING
	HEAT-TREATMENT	WÄRMEBEHANDLUNG

MARTENSITE	MARTENSIT
PRODUCTION	HERSTELLUNG
TENSILE-STRENGTH	ZUGFEST
USE	VERWENDUNG
WELDABLE	SCHWEISSBAR

DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2019 (14:08:59)		
Field	Content	
Publication	JP03188240 A	16.08.1991
Priority	JP322729	14.12.1989
Application	JP1412198964-322729	
Applicant	KAWASAKI STEEL CORP.	
Inventor	OKA, YUTAKA	
Title	HIGH STRENGTH MARTENSITIC STAINLESS STEEL AND ITS MANUFACTURE	
Info	TO OBTAIN THE MARTENSITIC STAINLESS STEEL HAVING HIGH STRENGTH AND EXCELLENT IN CORROSION RESISTANCE, EROSION RESISTANCE AND WELDABILITY BY SUBJECTING A CR-NI SERIES STAINLESS STEEL HAVING A SPECIFIED COMPSN. TO HEATING, HOT ROLLING, COOLING AND HARDENING-TEMPERING TREATMENT UNDER SPECIFIED CONDITIONS	
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%] C : 0,005-0,04 * SI : 0-1 * MN : 0-2 * CR : 12-17 * NI : 1,5-6 * MO : 0,1-1,5 * V : 0,02-0,5 * N : 0,005-0,15 * NB : 0-0,5 + CU : 0-2 * FE : REST	
Keywords	<p>(english)</p> CORROSION-RESISTING HEAT-TREATMENT MARTENSITE TENSILE-STRENGTH WELDABLE	
	<p>(german)</p> KORROSIONSBEST WÄRMEBEHANDLUNG MARTENSIT ZUGFEST SCHWEISSBAR	

DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2019 (14:08:59)		
Field	Content	
Publication	DE4039538 A	13.06.1991
Priority	JP318952	11.12.1989
Application	DE11121990P4039538.3	
Applicant	KAWASAKI STEEL CORP.	
Inventor	OKA, YUTAKA/ MATSUMOTO, SHIGETO/ UCHIDA, KIYOSHI	
Title	HOCHFESTER MARTENSITISCHER ROSTFREIER STAHL UND VERFAHREN ZU SEINER HERSTELLUNG	
Info	C* N < 0,05	
IPC	C22C03844	
Composition nr.	1	Composite component -
Composition	[weight-%], C : 0,005-0,04 * SI : 0-1 * MN : 0-2 * CR : 12-17 * NI : 3-6 * MO : 0,1-1,5 * V : 0,02-0,5 * N : 0,005-0,02 * FE : REST * NB : 0-0,5 + CU : 0-2 * AL : 0-0,01 * P : 0-0,025 * S : 0-0,004 * O : 0-0,00	
Keywords	<p>(english)</p> CORROSION-RESISTING FATIGUE-RESISTING HEAT-TREATMENT MARTENSITE PLASTIC PRODUCTION TENSILE-STRENGTH TOUGH	
	<p>(german)</p> KORROSIONSBEST SCHWINGFEST WÄRMEBEHANDLUNG MARTENSIT PLASTISCH HERSTELLUNG ZUGFEST ZÄH	

USE	VERWENDUNG
WELDABLE	SCHWEISSBAR

## 86 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:55:41)

Field	Content
Publication	DE3825634 A
Priority	DE3825634
Application	DE28071988P3825634.7
Applicant	THYSSEN STAHL AG.
Inventor	PIRCHER, HANS/ KAWALLA, RUDOLF/ MAHN, JUERGEN UND MITERFINDER
Title	VERFAHREN ZUR ERZEUGUNG VON WARMBAD ODER GROBBLECHEN
Info	
IPC	C21D00802
Composition nr.	1
Composition	[weight-%]: C : 0-0,35 * MN : 0-20 * SI : 0-4 * NI : 0-35 * CR : 6-30 * MO : 0-7 * TI : 0-1,5 + TA + NB : 0-1,5 + CU : 0-5 + AL : 0-1,5 + N : 0-0,5 + V : 0-1 + S : 0-0,5 * FE : REST
Keywords	(english)
	CORROSION-RESISTING
	HEAT-RESISTANT
	HEAT-TREATMENT
	PRODUCTION
	TENSILE-STRENGTH
	TOUGH
	USE
	(german)
	KORROSIONSBEST
	HITZEBEST
	WÄRMEBEHANDLUNG
	HERSTELLUNG
	ZUGFEST
	ZÄH
	VERWENDUNG

## 87 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:55:41)

Field	Content
Publication	EP343008 A
Priority	ZA683551
Application	1905891989305108.6
Applicant	MIDDELBURG STEEL AND ALLOYS (PROPRIETARY) LTD.
Inventor	HEWITT, JACK
Title	HEAT TREATMENT OF CORROSION RESISTANT STEELS
Info	
IPC	C21D00802
Composition nr.	1
Composition	[weight-%]: CR : 10-18 * MN : 0-2,5 * SI : 0-2 * NI : 0-5 * C : 0-0,25 * N : 0-0,1 * TI : 0-1 * MO : 0-1 * V : 0-1 * ZR : 0-1 * NB : 0-1 * CU : 0-2 * AL : 0-0,5 * P : 0-0,1 * FE : REST
Keywords	(english)
	CORROSION-RESISTING
	FERRITE
	HARD
	HEAT-TREATMENT
	PLASTIC
	TENSILE-STRENGTH
	(german)
	KORROSIONSBEST
	FERRIT
	HART
	WÄRMEBEHANDLUNG
	PLASTISCH
	ZUGFEST

## 88 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:55:41)

Field	Content
Publication	EP330752 A
	06.09.1989

Priority	JP48397	29.02.1988
Application	EP1512198888121043.9	
Applicant	KABUSHIKI KAISHA KOBE SEIKO SHO	
Inventor	YUTORI, TOSHIAKI/ KATUMATA, MASAAKI/ KOIDE, KENJI UND MITERFINDER	
Title	SUPERHIGH-STRENGTH SUPERFINE WIRE, AND REINFORCING MATERIALS AND COMPOSITE MATERIALS INCORPORATING THE SAME	
Info		
IPC	C21D00806	
Composition nr.	1	Composite component b
Composition	Composite material [%]: PLATTIERUNG * KERN Component a [weight-%]: NI + CU + ZN + AL + CR + Ti + AG + AU + PT + ORGANISCH : 100 Component b [weight-%]: C : 0,01-0,5 * SI : 0-1,5 * MN : 0-5 * H : 0-0,0001 * NB + V + Ti : 0-0,5 * S : 0-0,005 * P : 0-0,01 * N : 0-0,03 * AL : 0-0,01 * CR : 0-18 * CU : 0-2 * MO : 0-2 * NI : 0-8 * B : 0-0,02 * FE : REST	
Keywords	(english)	(german)
	CLADDING-MATERIAL	PLATTIERW
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH

## 88 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56h)

Field	Content	
Publication	EP330752 A	06.09.1989
Priority	JP48397	29.02.1988
Application	EP1512198888121043.9	
Applicant	KABUSHIKI KAISHA KOBE SEIKO SHO	
Inventor	YUTORI, TOSHIAKI/ KATUMATA, MASAAKI/ KOIDE, KENJI UND MITERFINDER	
Title	SUPERHIGH-STRENGTH SUPERFINE WIRE, AND REINFORCING MATERIALS AND COMPOSITE MATERIALS INCORPORATING THE SAME	
Info		
IPC	C21D00806	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0,01-0,5 * SI : 0-1,5 * MN : 0-5 * H : 0-0,0001 * NB + V + Ti : 0-0,5 * S : 0-0,005 * P : 0-0,01 * N : 0-0,03 * AL : 0-0,01 * CR : 0-18 * CU : 0-2 * MO : 0-2 * NI : 0-8 * B : 0-0,02 * FE . REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	MARTENSITE	MARTENSIT
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZÄH
	USE	VERWENDUNG

## 90 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56h)

Field	Content	
Publication	JP01201445 A	14.08.1989
Priority	JP303028	30.11.1988
Application	JP3011198863-303028	
Applicant	NIPPON STEEL CORP	
Inventor	HIRAMATSU, HIROYUKI	
Title	FERRITIC STAINLESS STEEL HAVING EXCELLENT WORKABILITY AND CORROSION RESISTANCE	
Info		

IPC	C22C03838	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,07 * SI : 0-3 * MN : 0,03-5 * P : 0-0,02 * S : 0-0,001 * CR : 9-15 * AL : 0-0,2 * N : 0-0,15 * O : 0-0,003 * FE : REST * NI + CU : 0-2 + MO + Ti + NB + V + ZR + B : 0-2	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT

§1 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14.5511)		
Field	Content	
Publication	JP01165752 A	29.06.1989
Priority	JP322871	22.12.1987
Application	JP2212198762-322871	
Applicant	KAWASAKI STEEL CORP.	
Inventor	SHIMIZU, HIROSHI	
Title	FERRITIC STAINLESS STEEL HAVING SUPERIOR CORROSION RESISTANCE IN HIGHLY CONCENTRATED HALIDE SOLUTION	
Info	TO PRODUCE A MEMBER FOR A HEAT EXCHANGER HAVING SUPERIOR CORROSION RESISTANCE TO A HIGHLY CONCD. AO. HALIDE SOLN. USED AS A HET MEDIUM IN THE HEAT EXCHANGER BY USING A FERRITIC STAINLESS STEEL HAVING A SPECIFIED COMPSN. AS STOCK FOR THE HEAT EXCHANGER	
IPC	C22C03844	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,03 * SI : 0,3-1,5 * MN : 0-1,5 * CR : 14-21 * NI : 0,6-2,5 * CU : 0,2-1,5 * MO : 0,1-4 * N : 0-0,05 * AL : 0-1 + Ti : 0-1 + NB : 0-1 + V : 0-1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT

§2 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14.5511)		
Field	Content	
Publication	JP63210234 A	31.08.1988
Priority	JP43156	27.02.1987
Application	JP2702198762-43156	
Applicant	NISSHIN STEEL CO LTD	
Inventor	TANAKA, TERUO	
Title	MANUFACTURE OF HIGH-STRENGTH STAINLESS STEEL STOCK EXCELLENT IN WORKABILITY AND FREE FROM SOFTENING BY WELDING	
Info		
IPC	C21D00600	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-4,5 * MN : 0-5 * P : 0-0,06 * S : 0-0,03 * CR : 10-17 * NI : 3-10 * N : 0-0,1 * FE : REST * CU + MO + W + CO : 0-2,22 * Ti + NB + V + ZR + AL + B + TA : 0-2,22	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WARMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR

§3 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14.5511)
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Field	Content	
Publication	JP63210242 A	31.08.1988
Priority	JP43157	27.02.1987
Application	JP2702198762-43157	
Applicant	NISSHIN STEEL CO., LTD.	
Inventor	TANAKA, TERUO	
Title	MANUFACTURE OF HIGH-STRENGTH STAINLESS STEEL STOCK EXCELLENT IN WORKABILITY AND FREE FROM SOFTENING BY WELDING	
Info	TO MANUFACTURE A HIGH-STRENGTH STAINLESS STEEL STOCK EXCELLENT IN WORKABILITY AND FREE FROM DETERIORATION IN STRENGTH IN A WELD ZONE, BY SUBJECTING A STEEL IN WHICH COMPOSITION AND NI EQUIVALENT VALUE ARE SPECIFIED TO COLD ROLLING AND THEN TO HEAT TREATMENT UNDER SPECIFIC CONDITIONS	
IPC	C21D00946	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,1 * SI : 0-4,5 * MN : 0-5 * P : 0-0,06 * S : 0-0,03 * CR : 10-17 * NI : 3-10 * N : 0-0,1 * FE, REST * CU + MO + W + CO : 0-2,22 * Ti + NB + V + ZR + AL + B + TA : 0-2,22	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR

## § 4 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 {14:588}

Field	Content	
Publication	JP63169362 A	13.07.1988
Priority	JP315426	29.12.1986
Application	JP2912198661-315426	
Applicant	AICHI STEEL WORKS LTD.	
Inventor	KATO, SATOSHI	
Title	NONMAGNETIC TOOL STEEL	
Info	MO* CU* V:0-7,5* SELTERD* CA* MG* B:0-0,31* TO OBTAIN A NONMAGNETIC TOOL STEEL HAVING SYNTHETICALLY SUPERIOR CHARACTERISTICS WITH RESPECT TO YIELD STRENGT, DUCTILITY, CORROSION RESISTANCE, MAGNETIC PERMEABILITY AND MACHINABILITY BY SPECIFYING A COMPSN. CONSISTING OF C, SI, MN, S, NI, CR, NB, N AND FE	
IPC	C22C03848	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,15 * SI : 0-1 * MN : 0-5 * S : 0-0,03 * FE : REST * NI : 0-15 * CR : 0-22 * NB : 0-0,5 * N : 0-0,4 * MO : 0-4 + CU : 0-3 + V : 0-0,5 + SELTERD : 0-0,2 + CA : 0-0,1 + MG : 0-0,1 + B : 0-0,01	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MACHINABLE	ZERSPANBAR
	NONMAGNETIC	UNMAGNETISCH
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST

## § 5 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 {14:588}

Field	Content	
Publication	WO8803573 A	19.05.1988
Priority	US927014	05.11.1986

Application	WO19101987US87/02681	
Applicant	MARTIN MARIETTA CORP.	
Inventor	MOSHER, WILLIAM/ BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS UND MITERFINDER	
Title	ISOTHERMAL PROCESS FOR FORMING POROUS METAL-SECOND PHASE COMPOSITES AND POROUS PRODUCT THEREOF	
Info		
IPC	C22C00105	
Composition nr.	1	Composite component b
Composition	Composite material [volume-%]: MATRIX : 10-30 * EINLAGERUNG : 70-90 Component a [weight-%]: AL + NI + TI + CU + V + CR + MN + CO + FE + SI + MO + BE + AG + AU + W + SB + BI + PT + MG + PB + ZN + SN + NB + TA + HF + ZR : 100 Component b [weight-%]: TI.B + ZR.B + ZR.SI + ZR.C + TI.C + TI.N + AL + TI + SI + B + C + S + TA + TH + Y + CO + NI + MO + W + V + ZR + NB + HF + MG + SC + LA + CR + O + N + LI + BE + FE + MN + ZN + SN + CU + AG + AU + PT + SELTERD : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	DISPERSION-HARDENING	DISPERSIONSH
	FINE-GRAINED	FEINKÖRNING
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	POROUS	PORÖS
	PRODUCTION	HERSTELLUNG

88 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:08:08)		
Field	Content	
Publication	WO8803574 A	19.05.1988
Priority	US927031	05.11.1986
Application	WO19101987US87/02680	
Applicant	MARTIN MARIETTA CORP.	
Inventor	NAGLE, DENNIS/ BRUPBACHER, JOHN/ CHRISTODOULOU, LEONTIOS	
Title	PROCESS FOR PRODUCING METAL-SECOND PHASE COMPOSITES AND PRODUCT	
Info	INTERNATIONAL APPLICATION NUMBER: PCT/US87/ 02680	
IPC	C22C03200	
Composition nr.	1	Composite component b
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: AL + NI + TI + CU + V + CR + MN + CO + FE + SI + MO + BE + AG + AU + PT + NB + TA + HF + ZR + MG + PB + ZN + SN + W + SB + BI : 100 Component b [weight-%]: AL + TI + SI + B + C + S + TA + TH + Y + CO + NI + MO + W + V + ZR + NB + HF + MG + SC + LA + CR + O + N + LI + BE + FE + MN + ZN + SN + CU + AG + AU + PT + SELTERD + TI.B + ZR.B + TI.C + ZR.C + ZR.SI + TI.N : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	DISPERSION-HARDENING	DISPERSIONSH
	FINE-GRAINED	FEINKÖRNING
	HIGH-TEMPER-STRENGTH	WARMFEST
	PRODUCTION	HERSTELLUNG

97 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:08:08)		
Field	Content	
Publication	JP63047353 A	29.02.1988
Priority	JP191435	15.08.1986
Application	JP1508198661-191435	
Applicant	KAWASAKI STEEL CORP.	
Inventor	NARUTANI, SATORU	

Title	EXTRA SOFT FERRITIC STAINLESS STEEL	
Info	TO OBTAIN AN EXTRA SOFT FERRITIC STAINLESS STEEL HAVING <= 140 HARDNESS HV AND SUPERIOR PRESS WORKABILITY BY PROVIDING A COMPNS. CONTG. PRESCRIBED PERCENTAGES OF C, SI, MN, P, S, ETC., AND ONE OR MORE AMONG TI, NB AND V	
IPC	C22C03828	
Composition nr.	1	Composite component -
Composition	[weight-%]. C : 0-0,03 * SI : 0-0,3 * MN : 0-1,5 * P : 0-0,04 * S : 0-0,15 * NI : 0-1 * CU : 0-0,5 * MO : 0-0,6 * CR : 11,5-20 * N : 0-0,03 * Ti : 0,005-0,2 + NB : 0,005-0,2 + V : 0,005-0,2 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HARD	HART
	PLASTIC	PLASTISCH
	USE	VERWENDUNG

## DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 {14:55H}

Field	Content	
Publication	US4721600 C	26.01.1988
Priority	JP64163	28.03.1985
Application	US27031986844661	
Applicant	SUMITOMO METAL INDUSTRIES LTD.	
Inventor	MAEHARA, YASUHIRO/ TARUTANI, YOSHIO	
Title	SUPERPLASTIC FERROUS DUPLEX-PHASE ALLOY AND A HOT WORKING METHOD THEREFOR	
Info		
IPC	C22C03802	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI : 0,5-20 + MN : 1,7-30 * N : 0,01-0,3 * NI : 0-5 * MO : 0-6 * Ti : 0-0,5 * NB : 0-0,5 * W : 0-1 * CR : 0-20 * CU : 0-1 * ZR : 0-0,5 * V : 0-0,5 * C : 0-0,5 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	PRODUCTION	HERSTELLUNG
	SUPERPLASTIC	SUPERPLASTISCH

## DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 {14:55H}

Field	Content	
Publication	US4721600 C	26.01.1988
Priority	JP64163	28.03.1985
Application	US27031986844661	
Applicant	SUMITOMO METAL INDUSTRIES LTD.	
Inventor	MAEHARA, YASUHIRO/ TARUTANI, YOSHIO	
Title	SUPERPLASTIC FERROUS DUPLEX-PHASE ALLOY AND A HOT WORKING METHOD THEREFOR	
Info		
IPC	C22C03802	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-5 * MN : 0-20 * P : 0-0,05 * S : 0-0,02 * CR : 10-35 * NI : 2-18 * N : 0,005-0,3 * MO : 0-6 * W : 0-5 + ZR : 0-3 + NB : 0-3 + V : 0-5 + CU : 0-1 * FE : REST * AL : 0-0,1 * SELTERD + CE + CA + MG : 0-0,33	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	PRODUCTION	HERSTELLUNG
	SUPERPLASTIC	SUPERPLASTISCH

100 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 {14:58H}

Field	Content
Publication	JP62228454 A
Priority	JP68520
Application	JP2303198762-68520
Applicant	NIPPON STEEL CORP.
Inventor	UEDA, MASANORI
Title	PASSIVITY-STRENGTHENED HIGH PURITY STAINLESS STEEL
Info	TO STRENGTHEN PASSIVATION WITHOUT ADDITION OF LARGE AMOUNTS OF EXPENSIVE ALLOYING ELEMENTS AND TO IMPROVE CORROSION RESISTANCE, BY SPECIFYING RESPECTIVE AMOUNTS OF C, SI, CR, NI, MO, CU, N, AL, NB, S, P, ETC.
IPC	C22C03850
Composition nr.	1
Composition	[weight-%]: C : 0,005-0,1 * SI : 0,05-3 * CR : 9-27 * NI : 1-22 * MO : 0,02-4 * CU : 0,01-3 * N : 0,005-0,4 * AL + NB + Ti + V : 0,01-0,8 * MN : 0,2-22 * S + P : 0,033 * FE : REST
Keywords	(english) CORROSION-RESISTING
	(german) KORROSIONSBEST

101 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 {14:58H}

Field	Content
Publication	DE3628862 A
Priority	JP186605
Application	DE26081986P3628862
Applicant	NISSHIN STEEL CO., LTD.
Inventor	HOSHINO, KAZUO/ IGAWA, TAKASHI
Title	VERFAHREN ZUR HERSTELLUNG VON STAHL
Info	
IPC	C21D00802
Composition nr.	1
Composition	[weight-%]. C : 0-0,1 * SI : 0,2-4,5 * MN : 0,2-5 * P : 0-0,06 * S : 0-0,03 * CR : 10-17 * NI : 3-8 * N : 0,005-0,1 * CU + MO + W + CO : 0-4 * Ti + NB + V + ZR + AL + B : 0-1 * FE : REST
Keywords	(english) CORROSION-RESISTING HEAT-TREATMENT MARTENSITE PLASTIC PRODUCTION TENSILE-STRENGTH WELDABLE
	(german) KORROSIONSBEST WÄRMEBEHANDLUNG MARTENSIT PLASTISCH HERSTELLUNG ZUGFEST SCHWEISSBAR

102 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 {14:58H}

Field	Content
Publication	GB2179675 A
Priority	JP186605
Application	GB270819868620720
Applicant	NISSHIN STEEL CO., LTD.
Inventor	HOSHINO, KAZUO/ IGAWA, TAKASHI
Title	PROCESS FOR PREPARING A HIGH STRENGTH STAINLESS STEEL MATERIAL HAVING EXCELLENT WORKABILITY AND FREE FROM WELD SOFTENING
Info	
IPC	C22C03840

Composition nr.	1	Composite component -
Composition	[weight-%]. C : 0-0,1 * SI : 0,2-4,5 * MN : 0,2-5 * P : 0-0,06 * S : 0-0,03 * CR : 10-17 * NI : 3-8 * N : 0-0,1 * CU + MO + W + CO : 0-4 * Ti + Nb + V + Zr + Al + B : 0-1 * Fe : REST	
Keywords (english)		(german)
CORROSION-RESISTING		KORROSIONSBEST
HEAT-TREATMENT		WÄRMEBEHANDLUNG
MARTENSITE		MARTENSIT
PLASTIC		PLASTISCH
TENSILE-STRENGTH		ZUGFEST
WELDABLE		SCHWEISSBAR

193 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56H)		
Field	Content	
Publication	EP207052 A	30.12.1986
Priority	AT1529	21.05.1985
Application	EP1405198686890138	
Applicant	VEREINIGTE EDELSTAHLWERKE AG. (VEW)	
Inventor	JERLICH, WERNER/ KAISERFELD, HANS/ KUEGLER, ALFRED UND MITERFINDER	
Title	CHROMHALTIGE LEGIERUNG FUER STANZ- UND GEGENPLATTEN	
Info		
IPC	C22C03842	
Composition nr.	1	Composite component -
Composition	[weight-%]. C : 0-1,1 * SI : 0-1 * MN : 0-1,5 * CR : 11-17,5 * MO : 0-1,5 * NI : 0-10 * CU : 0-4,5 * V : 0-0,5 * CO : 0-1,5 * NB : 0-0,45 * Ti : 0-1,5 * N : 0-0,1 * Fe : REST	
Keywords (english)		(german)
CORROSION-RESISTING		KORROSIONSBEST
CUTTING-EDGE-HOLDING-PR		SCHNEIDHALTIG
HARD		HART
MACHINEABLE		ZERSPANBAR
STRESS-CORROSION-RESIST		SPANNUNGSKORROSIONSBEST
TOOL		WERKZEUG
WEAR/TEAR		VERSCHLEISS

104 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58H)		
Field	Content	
Publication	GB2173816 A	22.10.1986
Priority	JP64163	28.03.1985
Application	GB270319868607770	
Applicant	SUMITOMO METAL INDUSTRIES LTD.	
Inventor	MAEHARA, YASUHIRO/ TARUTANI, YOSHIO	
Title	SUPERPLASTIC FERROUS DUPLEX-PHASE ALLOY AND A HOT WORKING METHOD THEREFOR	
Info		
IPC	C22C03800	
Composition nr.	1	Composite component -
Composition	[weight-%]: SI : 0,5-20 + MN : 1,7-30 * N : 0,01-0,3 * NI : 0-18 * MO : 0-6 * Ti : 0-0,5 * NB : 0-3 * W : 0-5 * CR : 0-35 * CU : 0-1 * Zr : 0-3 * V : 0-5 * C : 0-0,05 * S : 0-0,02 * P : 0-0,05 * Fe : REST * RE + CA + CE + SELTERD : 0-0,33	
Keywords (english)		(german)
CORROSION-RESISTING		KORROSIONSBEST
HEAT-TREATMENT		WÄRMEBEHANDLUNG

PRODUCTION	HERSTELLUNG
SUPERPLASTIC	SUPERPLASTISCH

105 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58H)	
<b>Field</b>	<b>Content</b>
Publication	JP61056236 A
Priority	JP175538
Application	JP2308198459-175538
Applicant	SUMITOMO METAL IND LTD.
Inventor	KUNISHIGE, KAZUTOSHI
Title	MANUFACTURE OF TWO PHASE STAINLESS STEEL HOT ROLLED STEEL STRIP FOR WORKING
Info	TO OBTAIN STABLY A STEEL STRIP HAVING BOTH OF SUPERIOR CORROSION RESISTANCE AND HIGH DUCTILITY EVEN IN A HOT ROLLED STATE, BY HOT ROLLING A STEEL HAVING A SPECIFIED COMPSN. IN WHICH C, P, S, ETC. ARE RESTRICTED, THEN COOLING RAPIDLY TO REMARKABLY LOW TEMP. RANGE AND WINDING SAID PLATE, FURTHER SPECIFYING THE TEMP. OF HOT ROLLING COMPLETION AND COOLING TIME THEREAFTER
IPC	C21D00802
Composition nr.	1
Composition	[weight-%]: C : 0-0,05 * SI : 0-2 * MN : 0-2 * P : 0-0,03 * S : 0-0,015 * CR : 16-30 * NI : 3-9 * MO : 0,2-5 * N : 0-0,45 * AL : 0-0,05 + CA : 0-0,01 + SELTERD : 0-0,1 + ZR : 0-0,1 + CU : 0-2 + NB : 0-0,05 + V : 0-0,05 + TI : 0-0,05 * FE : REST
<b>Keywords</b>	<b>(english)</b>
	CORROSION-RESISTING
	PLASTIC
	PRODUCTION
	USE
	<b>(german)</b>
	KORROSIONSBEST
	PLASTISCH
	HERSTELLUNG
	VERWENDUNG

100 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58H)	
<b>Field</b>	<b>Content</b>
Publication	JP60197824 A
Priority	JP52000
Application	JP1603198459-52000
Applicant	SUMITOMO KINZOKU KOGYO K.K.
Inventor	KUNISHIGE, KAZUTOSHI
Title	PRODUCTION OF HOT ROLLED TWO-PHASE STAINLESS STEEL STRIP HAVING HIGH TOUGHNESS
Info	
IPC	C21D00952
Composition nr.	1
Composition	[weight-%]: C : 0-0,05 * SI : 0-2 * MN : 0-2 * P : 0-0,03 * S : 0-0,015 * CR : 16-30 * NI : 3-9 * MO : 0,2-5 * N : 0-0,45 * AL : 0-0,05 + CU : 0-2 + CA : 0-0,01 + SELTERD : 0-0,1 + ZR : 0-0,1 + NB : 0-0,05 + V : 0-0,05 + TI : 0-0,05 * FE : REST
<b>Keywords</b>	<b>(english)</b>
	AUSTENITE
	CORROSION-RESISTING
	FERRITE
	PLASTIC
	PRODUCTION
	TOUGH
	<b>(german)</b>
	AUSTENIT
	KORROSIONSBEST
	FERRIT
	PLASTISCH
	HERSTELLUNG
	ZAH

107 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58H)	
<b>Field</b>	<b>Content</b>
Publication	US4434006 C
Priority	JP59712
Application	US14051980149939
	28.02.1984
	17.05.1979

Applicant	DAIDO TOKUSHUKO KABUSHIKI KAISHA	
Inventor	KATO, TETSUO/ ABEYAMA, SHOZO/ KIMURA, ATSUYOSHI UND MITERFINDER	
Title	FREE CUTTING STEEL CONTAINING CONTROLLED INCLUSIONS AND THE METHOD OF MAKING THE SAME	
Info		
IPC	C22C03860	
Composition nr.	1	Composite component -
Composition	[weight-%]. C : 0-2 * SI : 0-2 * MN : 0-10 * CR : 10-30 * S : 0-0,4 * TE : 0-0,5 * FE : REST * O : 0-0,015 * NI : 0-40 * MO : 0-4 * W : 0-5 + Ti : 0-2 + V : 0-2 + NB : 0-1,5 + SELTERD : 0-0,5 * AL : 0-2 * CO : 0-25 * B : 0-0,05 + N : 0-0,8 + ZR : 0-2 * TA : 0-1,5 * CU : 0-7 * PB : 0-0,3 + SE : 0-0,3 + CA : 0-0,06 + BI : 0-0,3	
Keywords	<p>(english)</p> BEARING CORROSION-RESISTING HEAT-TREATMENT MACHINEABLE PLASTIC PRODUCTION SPRINGS TENSILE-STRENGTH TOOL WEAR/ TEAR	
	<p>(german)</p> LAGER KORROSIONSBEST WÄRMEBEHANDLUNG ZERSPANBAR PLASTISCH HERSTELLUNG FEDERN ZUGFEST WERKZEUG VERSCHLEISS	

108 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58H)

Field	Content	
Publication	US4434006 C	28.02.1984
Priority	JP59712	17.05.1979
Application	US14051980149939	
Applicant	DAIDO TOKUSHUKO KABUSHIKI KAISHA	
Inventor	KATO, TETSUO/ ABEYAMA, SHOZO/ KIMURA, ATSUYOSHI UND MITERFINDER	
Title	FREE CUTTING STEEL CONTAINING CONTROLLED INCLUSIONS AND THE METHOD OF MAKING THE SAME	
Info		
IPC	C22C03860	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0-1 * SI : 0-5 * MN : 0-20 * CR : 7,5-30 * S : 0-0,4 * TE : 0-0,05 * O : 0-0,015 * NI : 0-40 * MO : 0-4 * W : 0-5 + Ti : 0-2 + V : 0-2 + NB : 0-1,5 + SELTERD : 0-0,5 * AL : 0-2 * CO : 0-25 * B : 0-0,05 + N : 0-0,8 + ZR : 0-2 * TA : 0-1,5 * CU : 0-7 * PB : 0-0,3 + SE : 0-0,3 + CA : 0-0,06 + BI : 0-0,3 * FE : REST	
Keywords	<p>(english)</p> BEARING CORROSION-RESISTING HEAT-RESISTANT HEAT-TREATMENT MACHINEABLE PLASTIC PRODUCTION SPRINGS TENSILE-STRENGTH TOOL WEAR/ TEAR	
	<p>(german)</p> LAGER KORROSIONSBEST HITZEBEST WÄRMEBEHANDLUNG ZERSPANBAR PLASTISCH HERSTELLUNG FEDERN ZUGFEST WERKZEUG VERSCHLEISS	

109 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58H)

Field	Content

Publication	FR2456785 A	12.12.1980
Priority	JP59713	17.05.1979
Application	FR140519808010823	
Applicant	DAIDO TOKUSHUKO K.K.	
Inventor	KATO, TETSUO/ABEYAMA, SHOZO/KIMURA, ATSUYOSHI UND MITERFINDER	
Title	ACIER DE DECOLLETAGE CONTENANT DES INCLUSIONS DETERMINEES ET UN PROCEDE DE SA PREPARATION	
Info		
IPC	C22C03806000	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: C : 0-2 * SI : 0-5 * MN : 0-20 * CR : 7,5-30 * SE : 0-0,3 * S : 0-0,4 * CA : 0-0,06 * O : 0-0,015 * FE : REST * B : 0-0,3 * NI : 0-4 * MO : 0-4 * TA : 0-1,5 * W : 0-5 * TI : 0-2 * N : 0-0,8 * V : 0-2 * NB : 0-1,5 * ZR : 0-2 * SELTERD : 0-5 * AL : 0-2 * TE : 0-1,5 * CO : 0-25 * B : 0-0,05 * CU : 0-7 Component b [weight-%]: PB + BI + MNSTES + SIOKO + SIONAO + SIOKOALO + SIONAOALO + SIONAOCAOMNO + MNS + MNSE + MNSMNSE : 100	
Keywords	(english)	(german)
	PLASTIC	PLASTISCH
	SPRINGS	FEDERN
	TOOL	WERKZEUG

110 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22.1.2010 (14.3.09)		
Field	Content	
Publication	DE3018537 A	27.11.1980
Priority	JP59713	17.05.1979
Application	DE14051980P3018537	
Applicant	DAIDO TOKUSHUKO K.K.	
Inventor	KATO, TETSUO/ABEYAMA, SHOZO/AGUI, CHITA UND MITERFINDER	
Title	KONTROLIERTE EINSCHLUESSE ENTHALTENDE AUTOMATENSTAHL UND VERFAHREN ZU SEINER HERSTELLUNG	
Info		
IPC	40B00C22C03800000	
Composition nr.	1	Composite component a
Composition	Composite material [%]: MATRIX * EINLAGERUNG Component a [weight-%]: C : 0-2 * SI : 0-5 * MN : 0-20 * S : 0-0,4 * TE : 0-0,5 * PB : 0-0,3 * O : 0-0,015 * CR : 7,5-30 * SE : 0-0,3 * NI : 0-40 * MO : 0-4 * W : 0-5 * TI : 0-2 * V : 0-2 * NB : 0-1,5 * SELTERD : 0-0,5 * AL : 0-2 * CO : 0-25 * B : 0-0,05 * N : 0-0,8 * ZR : 0-2 * P : 0-0,05 * TA : 0-1,5 * CU : 0-7 * CA : 0-0,06 * BI : 0-0,3 * FE : REST Component b [weight-%]: MNS + MNSE + PB + BI + SIO + NAO + KO + ALO + CAO + MNO : 100	
Keywords	(english)	(german)
	COMPOSITE-MATERIAL	VERBUNDW
	CORROSION-RESISTING	KORROSIONSBEST
	MACHINEABLE	ZERSPANBAR
	PRODUCTION	HERSTELLUNG

111 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22.1.2010 (14.3.09)		
Field	Content	
Publication	GB1554293 C	17.10.1979
Priority	JP113747	22.09.1975
Application	GB240819767635243	
Applicant	YAZAKI, SOGYO K.K.	
Inventor		
Title	SOLAR COLLECTOR	
Info		
IPC	F24J00302	

Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,001-0,15 * SI : 0,005-3 * MN : 0,005-10 * CR : 11-30 * NI : 0,005-22 + N + CU + AL + V + Y + Ti + NB + TA + U + TH + W + ZR + HF : 0,001-5 * MO : 0-5 * FE : REST	
Keywords	(english)	(german)
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG

112 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22.1.2010 (14:56H)		
<b>Field</b>	<b>Content</b>	
Publication	JP52141414 A	25.11.1977
Priority	JP153738	20.12.1976
Application	JP2012197651-153738	
Applicant	SUMITOMO KINZOKU KOGYO K.K.	
Inventor	KOWAKA, MASATOSHI	
Title	SEA WATER CORROSION RESISTANT TWO PHASES STAINLESS STEEL OF HIGH CR AND LOW NI GROUP	
Info		
IPC	C22C03840	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,05 * SI : 0-2 * MN : 0-2 * P : 0-0,04 * S : 0-0,03 * NI : 1,5-6 * CR : 16-22 * MO : 0,5-5 * N : 0-0,3 * CU : 0,1-0,6 * V : 0,05-1,5 & W : 0,05-1,5 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	USE	VERWENDUNG
	WELDABLE	SCHWEISSBAR

113 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22.1.2010 (14:56H)		
<b>Field</b>	<b>Content</b>	
Publication	DE2333466 A	16.01.1975
Priority	DE2333466	30.06.1973
Application	DT30061973P2333466	
Applicant	STAHLWERKE SUEDWESTFALEN AG.	
Inventor	HENTRICH,ROBERT/YUN,ZIXANG	
Title	VERFAHREN ZUM HERSTELLEN LEGIERTER STAELLE	
Info		
IPC	18B00C21C00701000	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 10-40 * NI : (0)-35 * CO + CU + MN + MO + SI + V + W + Ti + TA + NB : (0)-5,555 * C + N : 0-0,33 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	PRODUCTION	HERSTELLUNG

114 - DEUTSCHES PATENT- UND MARKENANT DPMA - 22.1.2010 (14:56H)		
<b>Field</b>	<b>Content</b>	
Publication	DE2317983 A	28.11.1974
Priority	DE2317983	10.04.1973
Application	DT10041973P2317983	
Applicant	ZENTRALNY NAUTSCHNO-ISSLEDOWATELSKIJ INSTITUT TSCHERNOJ METALLURGII IMENI I.P.BARDINA	
Inventor	LEWIN, FELIKS/GOLOWANENKO, SERGEJ/PRIDANZEW, MICHAIL U.MITERF.	

Title	VERFAHREN ZUR HERSTELLUNG EINES METALLARTIKELS MIT MAGNETISCHEN U. UNMAGNETISCHEN STRECKEN	
Info		
IPC	18C00C21D001078A0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-1 * NI : 0,5-75 + CO : 20-60 * CR + V : 9-30 * MO + W : 0-10 * AL : 0-10 * N : 0-0,5 * TI & CU : 0-3 * MN : 0-1,6 * SI : 0-0,65 * FE : REST	
Keywords (english)		(german)
AUSTENITE		AUSTENIT
CORROSION-RESISTING		KORROSIONSBEST
ELECTRIC		ELEKTRISCH
FERRITE		FERRIT
HARD		HART
HEAT-TREATMENT		WÄRMEBEHANDLUNG
MAGNETIZABLE		MAGNETISIERBAR
TENSILE-STRENGTH		ZUGFEST
THERMAL		THERMISCH
TOUGH		ZÄH
WELDABLE		SCHWEISSBAR

116 - DEUTSCHES PATENT- UND MARKENANT DPMA - 02.1.2018 (14:58N)

Field	Content	
Publication	DD104101 C	20.02.1974
Priority	DD170422	25.04.1973
Application	DL25041973WP170422	
Applicant	TSENTRALNY NAUCHNO-ISSLEDOVATELSKY INSTITUT CHERNOI METALLURGII IMENI I.P.BARDINA	
Inventor	LEVIN, FELIX/GOLOVANENKO, SERGEI/PRIDANTSEV, MIKHAIL U.MITERF.	
Title	VERFAHREN ZUR HERSTELLUNG EINES METALLARTIKELS MIT MAGNETISCHEN UND UNMAGNETISCHEN STRECKEN	
Info	LEGIERUNG MIT MAGNETISCHEN UND UNMAGNETISCHEN STRECKEN	
IPC	18C00C21D00107800	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-1 * NI : 0,5-75 + CO : 0,5-60 * CR + V : 9-30 * MO + W : 0-10 * AL : 0-10 * N : 0-0,5 * TI : 0-3 * CU : 0-3 * MN : 0,2-1,6 * SI : 0-0,65 * FE : REST	
Keywords (english)		(german)
AUSTENITE		AUSTENIT
CLADDING-MATERIAL		PLATTIERW
CORROSION-RESISTING		KORROSIONSBEST
ELECTRIC		ELEKTRISCH
FERRITE		FERRIT
HARD		HART
HEAT-TREATMENT		WÄRMEBEHANDLUNG
HIGH-TEMPER-STRENGTH		WARMFEST
MAGNETIZABLE		MAGNETISIERBAR
NONMAGNETIC		UNMAGNETISCH
PLASTIC		PLASTISCH
TENSILE-STRENGTH		ZUGFEST
THERMAL		THERMISCH
TOUGH		ZÄH
USE		VERWENDUNG
WELDABLE		SCHWEISSBAR

118 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:45)		
Field	Content	
Publication	US3574601 C	13.04.1971
Priority	US779609	27.11.1968
Application	US27111968779609	
Applicant	CARPENTER TECHNOLOGY CORP.	
Inventor	MYERS,LEWIS/GODA JR.,KERMIT	
Title	CORROSION RESISTANT ALLOY	
Info	MO* W< 4,8	
IPC	40B00C22C039022O0	
Composition nr.	1	Composite component -
Composition	[weight-%] C : 0-0,2 * MN : 0-3,5 * SI : 0-2,5 * P : 0-0,05 * S + SE : 0-0,5 * CR : 13,5-17 * NI : 4-9 * MO : 0,5-3 + W : 0,6-4,8 * CU : 0,75-3 * NB : 0-2 * TI : 0-1 * CO : 0-6 * B : 0-0,01 * N : 0-0,1 * V + TA + AL + ZR + MG + SELTERD : 0-1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	MACHINEABLE	ZERSPANBAR
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG

117 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:45)		
Field	Content	
Publication	US3574002 C	06.04.1971
Priority	US749409	01.08.1968
Application	US01081968749409	
Applicant	INTERNATIONAL NICKEL CO., INC.	
Inventor	HAYDEN, HOWARD/GIBSON, ROBERT/BROPHY, JERE	
Title	STAINLESS STEEL HAVING IMPROVED CORROSION AND FATIGUE RESISTANCE	
Info		
IPC	40B00C22C039020P0	
Composition nr.	1	Composite component -
Composition	[weight-%] C : (0)-0,08 * CR : 15-35 * MO : 0-3 * NI : 2-12 * TI : (0)-1,5 + V : (0)-1 * MN : 0-1 * SI : 0-1 * CU : 0-2,5 * CO : 0-2 * P + S + N : 0-0,33 * MG + ZR + AL + CE + B : 0-1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZAH
	USE	VERWENDUNG

118 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:58:45)		
Field	Content	
Publication	DE1957421 A	27.08.1970
Priority	US779609	27.11.1968
Application	DT14111969P1957421	

Applicant	CARPENTER TECHNOLOGY CORP.	
Inventor	MYERS,LEWIS/GODA JR.,KERMIT	
Title	KORROSIONSBESTÄNDIGE NICHTROSTENDE STAHLLEGIERUNG	
Info		
IPC	40B00C22C039020P0	
Composition nr.	1	Composite component -
Composition	[weight-%]. C : 0-0,2 * AL + ZR + MG + SELTERD : 0-1 * MN : 0-3,5 * SI : 0-2,5 * P : 0-0,05 * S + SE : 0-0,5 * CR : 13,5-17 * NI : 4-9 * MO : 0,5-3 + W : 0,6-4,8 * CU : 0,75-3 * NB : 0-2 * Ti : 0-1 * CO : 0-6 * B : 0-0,01 * V : 0-1 * TA : 0-1 * N : 0-0,1 * FE : REST	
Keywords	(english)	
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MACHINEABLE	ZERSPANBAR
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	VALVE	VENTIL

119 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56:15)		
Field	Content	
Publication	GB192934 C	28.05.1970
Priority	US559185	21.06.1966
Application	GB0906196726776/67	
Applicant	INTERNATIONAL NICKEL LTD.	
Inventor	HAYDEN, HOWARD/ GIBSON, ROBERT/ BROPHY, JERE	
Title	STEEL	
Info	1,5> Ti+ V> 4(C-0,03); 1,17Ni+ 13,3< Cr+ Mo< 3,5Ni+ 11	
IPC	C22C03920	
Composition nr.	1	Composite component -
Composition	[weight-%]. C : 0-0,08 * SI : 0-1 * MN : 0-1 * P : 0-0,025 * S : 0-0,025 * N : 0-0,02 * H : 0-0,0005 * MG + ZR + CE + B + AL + HF : 0-0,1111 * CR : 18-35 * NI : 2-12 * Ti : 0-1,5 * MO : 0-3 * CO : 0-2 * CU : 0-2,5 * V : 0-1 * FE : REST	
Keywords	(english)	
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	FINE-GRAINED	FEINKÖRNING
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	SUPERPLASTIC	SUPERPLASTISCH
	WIRE	DRAHT

120 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56:15)		
Field	Content	
Publication	DE1553841 A	19.02.1970
Priority	DE41185	22.03.1966
Application	DT22031966W41185	
Applicant	WUERTTEMBERGISCHE METALLWARENFABRIK	

Inventor	KELLER, KARL/SCHINDELE, HELMUT	
Title	MESSERKLINGEN AUS KORROSIONSBESTÄNDIGEN AUSTENITISCHEN EDELSTAHLLEGIERUNGEN	
Info		
IPC	40B00C22C039016U0	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR: 10-26 * NI: 0-26 * MO: 0-6 * P: 0-0,5 * C: 0-1 * MN: 0-25 * N: 0-0,8 * FE: REST * Ti + Nb + Ta + V + W: 0-2,5 * CO: 0-25 * Si: 0-2 * Cu: 0-3,5 * Al: 0-2 * B: 0-3	
Keywords	(english)	(german)
	AUSTENITE	AUSTENIT
	CORROSION-RESISTING	KORROSIONSBEST
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	NONMAGNETIC	UNMAGNETISCH
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	TOOL	WERKZEUG
	TOUGH	ZÄH

121 - DEUTSCHES PATENT- UND MARKENANT DPMA - DE 1.294 679 (19.5.69)		
Field	Content	
Publication	DE1294679 B	08.05.1969
Priority	GB48196	06.12.1963
Application	DT01101964 W37650	
Applicant	UDDEHOLMS AB/WILKINSON SWORD LTD.	
Inventor	HANSOM, BERNHARD	
Title	VERWENDUNG EINER ROSTFREIEN STAHLLEGIERUNG MIT HOHER HÄRTE FÜR RASIERKLINGEN	
Info		
IPC	40B00C22C03902200	
Composition nr.	1	Composite component -
Composition	[weight-%]: C: 0-0,25 * CR: 15-20 * NI: 5-10 * MN: 0-10 * SI: 0-2 * MO: 0-5 * S: 0-0,06 * P: 0-0,05 * CO: 0-10 * N: 0-0,3 * Nb: 0-2 * W: 0-1 * Cu: 0-1 * V: 0-1 * Al: 0-1 * Ta: 0-1 * Ti: 0-1 * FE: REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG

122 - DEUTSCHES PATENT- UND MARKENANT DPMA - DE 1.2919 (14.5.69)		
Field	Content	
Publication	US3425877 C	04.02.1969
Priority	US502460	22.10.1965
Application	US22101965502460	
Applicant	WILKINSON SWORD LTD.	
Inventor	DEACON, ROGER	
Title	SAFETY RAZOR BLADES	
Info		
IPC	18C00C21D00901800	

Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 10-20 * C : (0)-2 * NI : 0-3 * MO : 0-4 * MN : 0-4 * CU : 0-4 * CO : 0-10 * W : 0-3 * V : 0-2 * SI : 0-3 * P + S + N : 0-0,33 * FE : REST	
Keywords (english)		(german)
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRODUCTION	HERSTELLUNG
	USE	VERWENDUNG

123 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:36H)		
Field	Content	
Publication	DE1408928 A	31.10.1968
Priority	US840876	18.09.1959
Application	DT08091960A35525	
Applicant	ALLEGHENY LUDLUM STEEL CORP.	
Inventor	LULA, REMUS/ FERREE, JOSEPH JR./ MCCUNN, THOMAS	
Title	VERFAHREN ZUR VERBESSERUNG MECHANISCHER UND CHEMISCHER EIGENSCHAFTEN VON AUSTENITISCHEN, ROSTFREIEN STAELLEN	
Info		
IPC	18C00C21D00701400	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,4 * MN : 0,05-8 * SI : 0,05-2 * CR : 8-20 * NI : 1-13 * N : (0)-0,6 * AL + MO + V + CU : (0)-4 * FE : REST	
Keywords (english)		(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH

124 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:36H)		
Field	Content	
Publication	US3385739 C	28.05.1968
Priority	US447902	13.04.1965
Application	US13041965447902	
Applicant	EATON YALE & TOWNE, INC.	
Inventor	DANIS, LOUIS	
Title	ALLOY STEEL ARTICLES AND THE METHOD OF MAKING	
Info		
IPC	40B00C22C039020H0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0-0,7 * CR : 10-30 * NI + CO : 0-80 * MN : 0-15 * N : 0-0,6 * SI : 0-4 * CU : 0-4 * B : 0-0,1 * P + S : 0-0,33 * Ti + V + MO + W + Nb : 0-90 * FE : REST	
Keywords (english)		(german)
	CASE-HARDENING	EINSATZH
	CORROSION-RESISTING	KORROSIONSBEST
	CREEP-RESIST/STABILITY	STANDFEST
	HARD	HART
	HEAT-RESISTANT	HITZEBEST

HEAT-TREATMENT	WÄRMEBEHANDLUNG
HIGH-TEMPER-STRENGTH	WARMFEST
SURFACE	OBERFLÄCHE
TENSILE-STRENGTH	ZUGFEST
VALVE	VENTIL
WEAR/ TEAR	VERSCHLEISS

125 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:55H)		
Field	Content	
Publication	GB1097862 C	03.01.1968
Priority	GB38895	03.10.1963
Application	GB0310196338895-63	
Applicant	WILKINSON SWORD LTD./UDDEHOLMS AB	
Inventor	HANSOM, BERNARD	
Title	IMPROVEMENTS IN OR RELATING TO RAZOR BLADES	
Info	BEI MN>2 WIRD JE 1MN DER NI-GEHALT VERMINDERT UM 0,5	
IPC	40B00C22C039020U0	
Composition nr.	1	Composite component -
Composition	[weight-%]: CR : 15-20 * NI : 5-10 * C : (0)-0,25 * MN : 0-10 * SI : 0-2 * MO : 0-5 * S : 0-0,06 * P : 0-0,05 * CO : 0-10 * N : 0-0,3 * NB : 0-2 * W + CU + V + AL + TA + TI : 0-1 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	CUTTING-EDGE-HOLDING-PR	SCHNEIDHALTIG
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	USE	VERWENDUNG

126 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:56H)		
Field	Content	
Publication	US3152934 C	13.10.1964
Priority	US228148	03.10.1962
Application	US03101962228148	
Applicant	ALLEGHENY LUDLUM STEEL CORP.	
Inventor	LULA, REMUS/ FERREE, JOSEPH JR./ HEIGHTS, NATRONA/ MCCUNN, THOMAS	
Title	PROCESS FOR TREATING AUSTENITE STAINLESS STEELS	
Info		
IPC	18C00C21D00000000	
Composition nr.	1	Composite component -
Composition	[weight-%] C : 0,01-0,4 * MN : 0,05-8 * SI : 0,05-2 * CR : 8-20 * NI : 1-13 * MO : 0-4 * N : 0-0,6 * AL + V + CU : 0-4 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PRECIPITATION-HARDENING	AUSSCHEIDUNGSH
	PRODUCTION	HERSTELLUNG
	TENSILE-STRENGTH	ZUGFEST

127 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2018 (14:56H)		
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Field	Content	
Publication	US3139358 C	30.06.1964
Priority	US117105	14.06.1961
Application	US14061961117105	
Applicant	ALLEGHENY LUDLUM STEEL CORP.	
Inventor	GRAZIANO, ANTHONY	
Title	METHOD OF PREVENTING RIBBING AND ROPING	
Info		
IPC	40B00C22C039016V0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : (0)-0,12 * CR : 12-22 * SI : 0-1,5 * MN : 0-1,5 * NI : 0-1,5 * Ti : 0-2 + Nb : 0-2 + Ta : 0-2 + Zr : 0-2 + V : 0-2 * Mo : 0-1,25 * Cu : 0-1,25 * N + P + S : 0-0,33 * Fe . REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FERRITE	FERRIT
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	PLASTIC	PLASTISCH
	SURFACE	OBERFLÄCHE
	USE	VERWENDUNG

128 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14.864)

Field	Content	
Publication	GB936872 C	18.09.1963
Priority	US840876	18.09.1959
Application	GB509196030603/60	
Applicant	ALLEGHENY LUDLUM STEEL CORP.	
Inventor		
Title	IMPROVEMENTS IN OR RELATING TO A PROCESS OF HEAT TREATING AUSTENITIC STAINLESS STEEL AND AUSTENITIC STAINLESS STEELS WHENEVER PREPARED BY THE AFORESAID PROCESS	
Info		
IPC	00 00C21D00000000	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,01-0,4 * Mn : 0,05-8 * Si : 0,05-2 * Cr : 8-20 * Ni : 1-13 * N . (0)-0,6 * Al + Mo + V + Cu : (0)-4 * S + P : 0-0,33 * Fe . REST	
Keywords	(english)	(german)

129 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14.864)

Field	Content	
Publication	GB836026 C	01.06.1960
Priority	GB24990	15.08.1956
Application	GB1508195624990-56	
Applicant	JOHN MORLEY/CHARLES SYKES/ROBERT GRAY	
Inventor		
Title	IMPROVEMENTS IN OR RELATING TO MARTENSITIC STAINLESS STEELS	
Info	N<0,03	
IPC	40B00C22C039022O0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C * N : 0,03-0,12 * CR : 13,5-17,5 * NI : 4-6 * CU : 0,5-2,5 * MO : 0,3-3 * MN : 0,5-2,5 * SI : (0)-1 * Ti + V + Nb : 0-0,2 * Fe . REST	

Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	PLASTIC	PLASTISCH
	TENSILE-STRENGTH	ZUGFEST
	WELDABLE	SCHWEISSBAR

130 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56H)		
Field	Content	
Publication	GB813801 C	21.05.1959
Priority	GB26796	15.09.1954
Application	GB1509195426796-54	
Applicant	JOHN MORLEY/CHARLES SYKES/ROBERT GRAY	
Inventor		
Title	IMPROVEMENTS RELATING TO MARTENSITIC STAINLESS STEELS	
Info	N< 0,05	
IPC	40B00C22C039022O0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : N : 0,03-0,15 * CR : 15-17,5 * NI : 4-6,5 * CU : 0,5-2,5 * MO : 0,3-3 * SI : 0-1 * MN : 0-1 * NB : 0,24-1,8 & TI : 0,15-1,5 & V : 0,15-1,5 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	FATIGUE-RESISTING	SCHWINGFEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	MARTENSITE	MARTENSIT
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	USE	VERWENDUNG
	WEAR/ TEAR	VERSCHLEISS

131 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56H)		
Field	Content	
Publication	US23685 E	14.07.1953
Priority	US209910	07.02.1951
Application	US07021951209910	
Applicant	ARMCO STEEL CORP.	
Inventor	CLARKE, WILLIAM	
Title	ALLOY STEEL	
Info	"ST"; ECHTE PAT.NR.: RE23685	
IPC	40B00C22C039022O0	
Composition nr.	2	Composite component -
Composition	[weight-%]: C : 0,01-0,25 * CR : 10-35 * NI + MN + SI + CO + CU + MO + W + V + NB + TI + AL + ZR : 0-100 * N + P + S : 0-0,33 * FE : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST

132 - DEUTSCHES PATENT- UND MARKENAMT DPMA - 22.1.2010 (14:56H)
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Field	Content	
Publication	US2229065 C	21.01.1941
Priority	US245593	14.12.1938
Application	US14121938245593	
Applicant	ELECTRO METALLURGICAL CO.	
Inventor	FRANKS, RUSSELL	
Title	AUSTENITIC ALLOY STEEL AND ARTICLE MADE THEREFROM	
Info		
IPC	40B00C22C039020H0	
Composition nr.	1	Composite component -
Composition	[weight-%]: C : 0,12 * CR : 12-25 * NI + MN : 6-20 * W + Ti + ZR + V + Nb + Ta + Mo : 0,5 * N : 0-0,5 * Cu : 0-2,5 * Si : 0-2,22 * P + S : 0-0,33 * Fe : REST	
Keywords	(english)	(german)
	CORROSION-RESISTING	KORROSIONSBEST
	HARD	HART
	HEAT-TREATMENT	WÄRMEBEHANDLUNG
	HIGH-TEMPER-STRENGTH	WARMFEST
	PLASTIC	PLASTISCH
	STRESS-CORROSION-RESIST	SPANNUNGSKORROSIONSBEST
	TENSILE-STRENGTH	ZUGFEST
	TOUGH	ZAH